

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205257	SEP200263	81%	89.5%	97.7%
EFA205257	SHA100777	80%	89.5%	97.7%
EFA205257	SMU100607	84%	89.5%	98.8%
EFA205257	SPN400198	87%	89.5%	98.8%
EFA205257	SPY200046	85%	89.5%	98.8%
EFA205257	TPA100196	56%	86.3%	97.6%
EFA205257	UUR100242	59%	86.3%	97.6%
EFA205257	VCH102550	57%	76.8%	86.9%
EFA205257	YPS002447	50%	86.3%	97.6%
EFA205258	BAN110808	73%	96.8%	90.9%
EFA205258	BFR105960	31%	96.8%	92.3%
EFA205258	BPT104063	42%	98.4%	96.8%
EFA205258	BBU100485	35%	91.9%	86.4%
EFA205258	BCE113660	41%	100%	96.9%
EFA205258	BFU103895	45%	100%	95.4%
EFA205258	BMA106564	43%	100%	96.9%
EFA205258	CJU101603	42%	91.9%	93.4%
EFA205258	CAC100885	63%	96.8%	89.6%
EFA205258	CBO100087	60%	96.8%	90%
EFA205258	CDF101032	63%	96.8%	84.5%
EFA205258	CDP102152	55%	90.3%	73.7%
EFA205258	EBC103651	45%	98.4%	96.8%
EFA205258	EFA205258	100%	100%	100%
EFA205258	EFM200524	96%	98.4%	98.4%
EFA205258	ECO103235	45%	98.4%	96.8%
EFA205258	HIN100765	45%	98.4%	96.8%
EFA205258	HPY101293	38%	91.9%	86.4%
EFA205258	KPN205610	45%	98.4%	96.8%
EFA205258	LMO100756	71%	96.8%	95.2%
EFA205258	MCA100557	47%	96.8%	92.3%
EFA205258	MAV108778	60%	90.3%	72.7%
EFA205258	MBV101011	62%	90.3%	72.7%
EFA205258	MLP101129	58%	90.3%	69.1%
EFA205258	MTU200706	62%	90.3%	72.7%
EFA205258	MGE100162	35%	91.9%	28.5%
EFA205258	MPN100658	36%	91.9%	51.4%
EFA205258	NGO103266	41%	96.8%	95.2%
EFA205258	NME200115	41%	96.8%	95.2%
EFA205258	PMU101407	47%	98.4%	96.8%
EFA205258	PRT104948	53%	66.1%	89.1%
EFA205258	PAE204253	42%	98.4%	96.8%
EFA205258	PPU108202	42%	98.4%	95.3%
EFA205258	PSY103398	42%	98.4%	95.3%
EFA205258	STY107537	45%	98.4%	96.8%
EFA205258	SAU802242	70%	96.8%	87.0%
EFA205258	SEP202582	70%	96.8%	87.0%
EFA205258	SHA103379	70%	96.8%	87.0%
EFA205258	SMU102853	57%	91.9%	82.6%
EFA205258	SPN400197	63%	91.9%	83.8%
EFA205258	SPY200045	59%	91.9%	83.8%
EFA205258	TPA100195	30%	85.5%	73.6%
EFA205258	UUR100241	38%	87.1%	76%
EFA205258	VCH102551	49%	98.4%	96.8%
EFA205258	YPS005126	45%	98.4%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205285	ABA100082	36%	97.9%	91.5%
EFA205285	BFR102748	32%	84.4%	89.6%
EFA205285	BPT104043	39%	94.8%	92.9%
EFA205285	BBU100479	32%	90.6%	91.3%
EFA205285	BCE100645	43%	95.8%	87.5%
EFA205285	BFU103900	43%	95.8%	87.5%
EFA205285	BMA108040	43%	95.8%	87.5%
EFA205285	CPN200100	35%	80.2%	88.3%
EFA205285	CTR200802	32%	83.3%	91.0%
EFA205285	CAC102428	53%	95.8%	93.9%
EFA205285	CBO102507	52%	92.7%	91.8%
EFA205285	CDF101975	57%	92.7%	92.7%
EFA205285	CDP102947	43%	91.7%	87.1%
EFA205285	EBC101608	37%	85.4%	83.8%
EFA205285	EFA205285	100%	100%	100%
EFA205285	ECO103241	38%	85.4%	83%
EFA205285	HIN100759	33%	97.9%	94.9%
EFA205285	KPN300697	38%	85.4%	83%
EFA205285	LMO100631	69%	96.9%	98.9%
EFA205285	MCA100250	43%	87.5%	78.9%
EFA205285	MAV102088	47%	93.8%	90%
EFA205285	MBV101017	47%	93.8%	90%
EFA205285	MLP101135	47%	91.7%	88%
EFA205285	MTU200700	47%	93.8%	90%
EFA205285	MGE100156	38%	85.4%	80.2%
EFA205285	MPN100664	36%	85.4%	35.9%
EFA205285	NGO102702	40%	96.9%	89.4%
EFA205285	NME200121	38%	96.9%	87.7%
EFA205285	PMU101413	35%	97.9%	94%
EFA205285	PRT100325	37%	85.4%	83%
EFA205285	PAE204259	36%	94.8%	91.9%
EFA205285	PPU102891	35%	94.8%	91.9%
EFA205285	PSY107072	35%	94.8%	91.9%
EFA205285	SPA104317	38%	85.4%	83%
EFA205285	STY101788	38%	85.4%	83%
EFA205285	SAU802248	68%	92.7%	97.8%
EFA205285	SEP200275	69%	92.7%	97.8%
EFA205285	SHA100770	73%	92.7%	97.8%
EFA205285	SPN400190	65%	97.9%	96.9%
EFA205285	SPY200039	68%	97.9%	96.9%
EFA205285	TPA100189	42%	83.3%	85.1%
EFA205285	UUR100235	33%	85.4%	81.9%
EFA205285	VCH102557	38%	85.4%	83%
EFA205285	YPS005095	38%	85.4%	83%
EFA205288	ABA100720	56%	64.7%	100%
EFA205288	BAN112470	85%	82.4%	100%
EFA205288	BFR102501	64%	97.1%	98.0%
EFA205288	BPT104019	64%	100%	85.7%
EFA205288	BBU100476	57%	99.0%	98.1%
EFA205288	BCE114850	64%	100%	82.3%
EFA205288	BFU100268	64%	100%	71.3%
EFA205288	BMA104676	64%	100%	99.0%
EFA205288	CJU101612	56%	96.1%	95.1%
EFA205288	CPN200200	66%	97.1%	94.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
EFA205288	CTR200710	67%	97.1%	94.3%
EFA205288	CAC101769	77%	100%	100%
EFA205288	CBO101448	76%	100%	100%
EFA205288	CDF104153	76%	61.8%	100%
EFA205288	CDP100914	71%	99.0%	100%
EFA205288	EBC101611	63%	100%	99.0%
EFA205288	EFA205288	100%	100%	100%
EFA205288	ECO103244	61%	100%	99.0%
EFA205288	HIN100756	63%	100%	86.4%
EFA205288	HPY101302	58%	95.1%	93.3%
EFA205288	KPN304660	63%	100%	94.4%
EFA205288	LMO100137	88%	100%	100%
EFA205288	MCA101858	62%	100%	99.0%
EFA205288	MAV102085	71%	99.0%	100%
EFA205288	MBV100992	71%	99.0%	100%
EFA205288	MLP101138	71%	99.0%	100%
EFA205288	MTU200697	71%	99.0%	100%
EFA205288	MGE100153	41%	92.2%	88.7%
EFA205288	MPN100667	39%	92.2%	87.0%
EFA205288	NGO102546	64%	100%	99.0%
EFA205288	NME200127	64%	100%	99.0%
EFA205288	PMU101416	63%	100%	99.0%
EFA205288	PRT100142	63%	100%	99.0%
EFA205288	PAE204262	63%	100%	99.0%
EFA205288	PPU104502	62%	91.2%	98.9%
EFA205288	PSY106273	63%	100%	82.3%
EFA205288	SPA104323	53%	100%	94.6%
EFA205288	STY101785	63%	100%	99.0%
EFA205288	SAU802251	86%	100%	100%
EFA205288	SEP200282	87%	100%	100%
EFA205288	SHA102423	84%	100%	100%
EFA205288	SMU100612	87%	100%	100%
EFA205288	SPN400187	87%	100%	100%
EFA205288	SPY200036	85%	100%	100%
EFA205288	TPA100186	50%	99.0%	99.0%
EFA205288	UUR100232	50%	97.1%	98.0%
EFA205288	VCH102560	61%	100%	99.0%
EFA205288	YPS005092	63%	100%	99.0%
KPN103883	KPN103883	100%	100%	100%
KPN103883	LPN101995	40%	84.9%	36.6%
KPN103883	NGO102594	30%	91.6%	60.8%
KPN103883	PAE107208	51%	84.9%	98.1%
KPN103883	SPA101733	88%	100%	47.6%
KPN108099	ABA105528	71%	71.6%	100%
KPN108099	ABA106151	74%	75.5%	100%
KPN108099	ABA105551	82%	100%	91.1%
KPN108099	ABA101831	82%	100%	83.6%
KPN108099	BAN100346	68%	71.6%	76.0%
KPN108099	BAN105253	73%	100%	83.6%
KPN108099	BAN105419	73%	100%	83.6%
KPN108099	BAN101836	73%	100%	85%
KPN108099	BAN103430	73%	100%	83.6%
KPN108099	BAN100749	73%	100%	83.6%
KPN108099	BAN106478	73%	100%	83.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN108099	BAN104535	73%	100%	83.6%
KPN108099	BAN100304	73%	100%	83.6%
KPN108099	BAN103157	73%	100%	83.6%
KPN108099	BAN106892	73%	100%	83.6%
KPN108099	BAN112264	73%	100%	83.6%
KPN108099	BAN103959	73%	100%	83.6%
KPN108099	BFR105579	69%	100%	83.6%
KPN108099	BFR103235	69%	100%	83.6%
KPN108099	BPT103416	95%	21.6%	14.3%
KPN108099	BPT104523	95%	21.6%	14.3%
KPN108099	BPT103989	95%	21.6%	14.3%
KPN108099	BCE109830	77%	48.0%	71.0%
KPN108099	BCE110368	76%	61.8%	100%
KPN108099	BCE114555	80%	100%	88.7%
KPN108099	BCE115125	82%	100%	83.6%
KPN108099	BMA101414	80%	100%	83.6%
KPN108099	CTR200114	72%	100%	83.6%
KPN108099	CBO100841	69%	70.6%	100%
KPN108099	CBO103821	70%	100%	98.1%
KPN108099	CBO102961	70%	100%	91.1%
KPN108099	CBO100139	70%	100%	83.6%
KPN108099	CBO102075	70%	100%	83.6%
KPN108099	CBO101355	70%	100%	83.6%
KPN108099	CBO102777	70%	100%	83.6%
KPN108099	CDF100014	71%	94.1%	100%
KPN108099	CDF102596	68%	100%	83.6%
KPN108099	CDF100358	71%	100%	83.6%
KPN108099	CDF102023	71%	100%	83.6%
KPN108099	CDF101174	72%	100%	83.6%
KPN108099	CDF100271	71%	100%	83.6%
KPN108099	CDF102190	71%	100%	83.6%
KPN108099	CDF100009	71%	100%	83.6%
KPN108099	CDF101049	71%	100%	83.6%
KPN108099	CDF100125	72%	100%	83.6%
KPN108099	CDP100750	64%	100%	83.6%
KPN108099	CDP100008	64%	100%	83.6%
KPN108099	CDP101025	64%	100%	83.6%
KPN108099	CDP101470	64%	100%	83.6%
KPN108099	CDP101508	64%	100%	83.6%
KPN108099	EBC104695	98%	49.0%	100%
KPN108099	EBC104708	98%	100%	83.6%
KPN108099	EFA203112	67%	100%	83.6%
KPN108099	EFA201542	67%	100%	83.6%
KPN108099	EFA203085	67%	100%	83.6%
KPN108099	EFA202786	67%	100%	83.6%
KPN108099	EFM102382	67%	100%	83.6%
KPN108099	KPN300969	93%	94.1%	100%
KPN108099	KPN301056	100%	77.5%	100%
KPN108099	KPN300847	96%	94.1%	100%
KPN108099	KPN302967	99%	100%	83.6%
KPN108099	LPN102481	88%	100%	83.6%
KPN108099	MCA102101	83%	100%	83.6%
KPN108099	MBV100203	62%	100%	83.6%
KPN108099	NGO100484	80%	100%	83.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN108099	NGO101737	82%	100%	47.2%
KPN108099	NGO100413	82%	100%	47.2%
KPN108099	NGO101926	82%	100%	47.2%
KPN108099	NME103001	84%	100%	83.6%
KPN108099	PRT103668	91%	85.3%	100%
KPN108099	PRT103667	92%	100%	87.9%
KPN108099	PRT103665	92%	100%	83.6%
KPN108099	PAE107214	86%	100%	83.6%
KPN108099	PPU102385	87%	100%	83.6%
KPN108099	PPU100406	87%	100%	83.6%
KPN108099	PPU101099	87%	100%	83.6%
KPN108099	PPU106991	87%	100%	83.6%
KPN108099	PPU112044	87%	100%	83.6%
KPN108099	PPU109454	87%	100%	83.6%
KPN108099	PPU109508	87%	100%	83.6%
KPN108099	PSY106628	84%	80.4%	100%
KPN108099	PSY106991	86%	100%	83.6%
KPN108099	PSY107666	86%	100%	83.6%
KPN108099	PSY101542	86%	100%	83.6%
KPN108099	SPA101643	98%	86.3%	100%
KPN108099	SPA103885	97%	100%	83.6%
KPN108099	SPA103853	98%	100%	83.6%
KPN108099	SAU302874	72%	100%	83.6%
KPN108099	SAU302816	72%	100%	83.6%
KPN108099	SAU302683	69%	71.6%	62.4%
KPN108099	SAU302807	72%	100%	83.6%
KPN108099	SAU301432	72%	100%	83.6%
KPN108099	SAU302626	72%	100%	83.6%
KPN108099	SEP201860	72%	100%	83.6%
KPN108099	SEP200476	72%	100%	83.6%
KPN108099	SEP201305	72%	100%	83.6%
KPN108099	SEP201812	72%	100%	83.6%
KPN108099	SEP201970	72%	100%	83.6%
KPN108099	SEP201855	72%	100%	83.6%
KPN108099	SHA102684	65%	53.9%	100%
KPN108099	SHA102720	72%	100%	83.6%
KPN108099	SMU101912	69%	100%	83.6%
KPN108099	SMU100576	69%	100%	83.6%
KPN108099	SMU101953	69%	100%	83.6%
KPN108099	SMU101883	69%	100%	83.6%
KPN108099	SMU101949	69%	100%	83.6%
KPN108099	SPN103672	68%	64.7%	100%
KPN108099	SPN102832	70%	100%	83.6%
KPN108099	SPY102630	71%	100%	83.6%
KPN200073	ABA102170	58%	43.3%	100%
KPN200073	ABA105805	52%	94.5%	93.9%
KPN200073	BAN100016	42%	97.4%	98.5%
KPN200073	BAN107827	44%	98.5%	98.3%
KPN200073	BAN106148	51%	99.6%	97.3%
KPN200073	BAN111654	51%	98.5%	97.0%
KPN200073	CDF100725	23%	87.2%	89.8%
KPN200073	CDF104332	24%	86.6%	87.5%
KPN200073	EBC102707	92%	99.1%	97.9%
KPN200073	ECO100252	92%	99.1%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN200073	HPY101000	41%	97.7%	89.4%
KPN200073	KPN300127	100%	20.3%	100%
KPN200073	KPN304917	100%	100%	100%
KPN200073	LPN101924	34%	91.7%	88.7%
KPN200073	PAE204976	48%	97.9%	96.8%
KPN200073	PPU109706	57%	97.0%	95.2%
KPN200073	SMU100962	54%	96.6%	98.7%
KPN200459	ABA100405	36%	97.7%	97.0%
KPN200459	BCE101176	44%	97.7%	89.5%
KPN200459	BCE115062	45%	98.7%	95.9%
KPN200459	BFU107135	46%	97.3%	94.5%
KPN200459	BMA104937	45%	98.7%	95.2%
KPN200459	CDF103274	24%	65.4%	39.1%
KPN200459	EBC100664	71%	90.6%	99.6%
KPN200459	EFA202080	22%	71.5%	59.3%
KPN200459	ECO101614	64%	99.3%	94.3%
KPN200459	KPN301023	99%	100%	100%
KPN200459	PAE202428	43%	97.0%	91.0%
KPN200459	PPU109972	42%	96.3%	94.8%
KPN200459	PSY101352	56%	13.1%	88.6%
KPN200459	PSY101350	47%	98.7%	97.6%
KPN200459	SPA102318	68%	99.3%	85.5%
KPN200459	STY100593	68%	99.3%	97.6%
KPN200460	EBC100663	76%	92.3%	92.3%
KPN200460	ECO101613	76%	100%	100%
KPN200460	KPN301024	98%	100%	100%
KPN200460	PAE201229	36%	64.1%	76.9%
KPN200460	SPA102319	73%	100%	97.5%
KPN200460	STY100591	73%	100%	100%
KPN201086	ABA103925	53%	99.2%	99.8%
KPN201086	BAN104708	35%	67.6%	94.9%
KPN201086	BAN102313	37%	69.2%	92.9%
KPN201086	BFR10840	30%	67.8%	89.5%
KPN201086	BPT100246	51%	99.8%	100%
KPN201086	BBU100799	27%	78.5%	79.5%
KPN201086	BCE107342	50%	99.2%	99.8%
KPN201086	BFU100866	50%	99.2%	99.8%
KPN201086	BMA107734	51%	99.2%	99.8%
KPN201086	CJU100425	28%	69.2%	94.2%
KPN201086	CPN200435	30%	95.1%	99.8%
KPN201086	CTR200366	30%	92.5%	98.6%
KPN201086	CAC100279	36%	71.3%	99.7%
KPN201086	CBO102108	36%	72.1%	77.7%
KPN201086	CDF102471	36%	77.3%	98.4%
KPN201086	CDP100481	30%	68.2%	98.5%
KPN201086	EBC101239	94%	99.2%	100%
KPN201086	EFA200624	35%	78.9%	100%
KPN201086	EFM201833	37%	75.1%	96.7%
KPN201086	ECO103101	95%	100%	100%
KPN201086	HIN101251	72%	99.8%	100%
KPN201086	HPY101493	26%	70.6%	95.2%
KPN201086	KPN300994	99%	100%	100%
KPN201086	LPN100039	60%	99.2%	99.8%
KPN201086	LMO100131	39%	68.2%	90.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201086	MCA100801	47%	99.2%	99.8%
KPN201086	MAV103287	29%	38.3%	94.6%
KPN201086	MBV103220	35%	67.2%	91.9%
KPN201086	MLP100955	33%	70.6%	96.8%
KPN201086	MTU202803	35%	67.2%	91.9%
KPN201086	MGE100143	28%	71.3%	67.6%
KPN201086	MPN100677	27%	70.0%	65.4%
KPN201086	NGO101492	47%	99.0%	99.8%
KPN201086	NME201747	47%	99.8%	98.8%
KPN201086	PMU100760	74%	99.6%	100%
KPN201086	PRT102427	85%	100%	100%
KPN201086	PAE204741	64%	99.2%	99.8%
KPN201086	PPU108490	63%	89.9%	99.8%
KPN201086	PSY104834	63%	99.2%	99.8%
KPN201086	SPA101734	88%	100%	100%
KPN201086	STY101474	93%	100%	100%
KPN201086	SAU801266	38%	69.0%	87.2%
KPN201086	SEP201559	37%	77.5%	94.8%
KPN201086	SHA101153	40%	69.0%	90.2%
KPN201086	SMU100777	34%	69.6%	90.4%
KPN201086	SPN400478	32%	70.6%	96.3%
KPN201086	SPY201324	33%	70.6%	95.3%
KPN201086	TPA100882	29%	84.2%	88.5%
KPN201086	UUR100320	28%	66.2%	77.1%
KPN201086	VCH100630	78%	100%	100%
KPN201086	YPS001052	89%	100%	100%
KPN201087	ABA104593	50%	99.9%	100%
KPN201087	BAN113310	36%	74.9%	97.4%
KPN201087	BAN110029	48%	76.3%	99.4%
KPN201087	BFR11714	42%	91.1%	85.4%
KPN201087	BPT100248	49%	91.9%	99.3%
KPN201087	BBU100800	43%	73.8%	73.4%
KPN201087	BCE101969	54%	86.3%	100%
KPN201087	BFU100867	49%	99.9%	100%
KPN201087	BMA109716	50%	99.3%	100%
KPN201087	CJU100125	41%	91.1%	93.1%
KPN201087	CPN200434	35%	90.6%	93.8%
KPN201087	CTR200365	32%	97.4%	96.7%
KPN201087	CAC100425	53%	64.5%	84.4%
KPN201087	CBO103185	48%	74.0%	94.1%
KPN201087	CDF102888	53%	64.7%	90.6%
KPN201087	CDP100479	50%	63.8%	96.5%
KPN201087	EBC101431	94%	96.0%	99.9%
KPN201087	EFA200621	44%	80.2%	92.5%
KPN201087	EFM201052	45%	81.1%	98.2%
KPN201087	ECO103100	93%	99.9%	99.9%
KPN201087	HIN101252	69%	93.8%	99.0%
KPN201087	HPY101031	37%	95.8%	88.6%
KPN201087	KPN301426	99%	15.0%	29.0%
KPN201087	LPN102343	71%	48.7%	100%
KPN201087	LMO100282	45%	86.5%	99.4%
KPN201087	MCA100802	50%	92.9%	98.3%
KPN201087	MAV100286	48%	64.3%	97.5%
KPN201087	MBV104310	49%	48.5%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201087	MLP100953	44%	71.7%	71.9%
KPN201087	MTU202801	44%	71.7%	73%
KPN201087	MGE100144	42%	63.2%	91.4%
KPN201087	MPN100676	41%	66.5%	96.6%
KPN201087	NGO101494	51%	89.2%	99.9%
KPN201087	NME201748	47%	99.9%	100%
KPN201087	PMU100759	70%	17.2%	26.7%
KPN201087	PRT102425	77%	100%	100%
KPN201087	PAE204740	57%	99.9%	100%
KPN201087	PPU108488	56%	99.9%	100%
KPN201087	PSY104832	68%	61.8%	100%
KPN201087	SPA101256	92%	51.7%	100%
KPN201087	STY101473	94%	99.9%	99.9%
KPN201087	SAU801269	48%	78.2%	99.9%
KPN201087	SEP201562	47%	81.1%	99.7%
KPN201087	SHA100514	46%	78.8%	99.4%
KPN201087	SMU100784	38%	94.1%	96.6%
KPN201087	SPN400481	40%	93.5%	93.3%
KPN201087	SPY201321	39%	95.5%	85.6%
KPN201087	TPA100881	47%	71.8%	80.8%
KPN201087	UUR100322	44%	64.1%	93.3%
KPN201087	VCH100631	71%	100%	100%
KPN201087	YPS001051	82%	99.9%	99.9%
KPN201549	ABA105528	71%	59.8%	100%
KPN201549	ABA106151	74%	63.1%	100%
KPN201549	ABA105551	84%	91.8%	100%
KPN201549	ABA101831	85%	100%	100%
KPN201549	BAN100346	69%	76.2%	96.9%
KPN201549	BAN101836	75%	98.4%	100%
KPN201549	BAN105253	76%	100%	100%
KPN201549	BAN103157	76%	100%	100%
KPN201549	BAN103430	76%	100%	100%
KPN201549	BAN100749	76%	100%	100%
KPN201549	BAN106478	76%	100%	100%
KPN201549	BAN104535	76%	100%	100%
KPN201549	BAN100304	76%	100%	100%
KPN201549	BAN103959	76%	100%	100%
KPN201549	BAN106892	76%	100%	100%
KPN201549	BAN112264	76%	100%	100%
KPN201549	BAN105419	76%	100%	100%
KPN201549	BFR105579	72%	100%	100%
KPN201549	BFR103235	72%	100%	100%
KPN201549	BPT103416	100%	34.4%	27.3%
KPN201549	BPT104523	100%	34.4%	27.3%
KPN201549	BPT103989	100%	34.4%	27.3%
KPN201549	BCE110368	76%	51.6%	100%
KPN201549	BCE109830	82%	55.7%	98.6%
KPN201549	BCE114555	80%	94.3%	100%
KPN201549	BCE115125	85%	100%	100%
KPN201549	BMA101414	83%	100%	100%
KPN201549	CTR200114	72%	100%	100%
KPN201549	CBO100841	69%	59.0%	100%
KPN201549	CBO103821	72%	85.2%	100%
KPN201549	CBO102961	72%	91.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201549	CBO102777	72%	100%	100%
KPN201549	CBO100139	72%	100%	100%
KPN201549	CBO102075	72%	100%	100%
KPN201549	CBO101355	72%	100%	100%
KPN201549	CDF100014	71%	78.7%	100%
KPN201549	CDF102596	70%	100%	100%
KPN201549	CDF100358	74%	100%	100%
KPN201549	CDF102023	74%	100%	100%
KPN201549	CDF101174	75%	100%	100%
KPN201549	CDF100271	74%	100%	100%
KPN201549	CDF102190	74%	100%	100%
KPN201549	CDF100009	74%	100%	100%
KPN201549	CDF101049	74%	100%	100%
KPN201549	CDF100125	75%	100%	100%
KPN201549	CDP100750	66%	100%	100%
KPN201549	CDP100008	66%	100%	100%
KPN201549	CDP101025	66%	100%	100%
KPN201549	CDP101470	66%	100%	100%
KPN201549	CDP101508	66%	100%	100%
KPN201549	EBC104695	98%	41.0%	100%
KPN201549	EBC104708	99%	100%	100%
KPN201549	EFA203112	71%	100%	100%
KPN201549	EFA201542	71%	100%	100%
KPN201549	EFA203085	71%	100%	100%
KPN201549	EFA202786	71%	100%	100%
KPN201549	EFM102382	71%	100%	100%
KPN201549	KPN300847	96%	78.7%	100%
KPN201549	KPN300969	93%	78.7%	100%
KPN201549	KPN301056	100%	64.8%	100%
KPN201549	KPN302967	100%	100%	100%
KPN201549	LPN102481	90%	100%	100%
KPN201549	MCA102101	86%	100%	100%
KPN201549	MBV100203	66%	100%	100%
KPN201549	NGO100484	82%	100%	100%
KPN201549	NGO101737	85%	100%	56.5%
KPN201549	NGO100413	85%	100%	56.5%
KPN201549	NGO101926	85%	100%	56.5%
KPN201549	NME103001	86%	100%	100%
KPN201549	PRT103668	91%	71.3%	100%
KPN201549	PRT103667	92%	95.1%	100%
KPN201549	PRT103665	94%	100%	100%
KPN201549	PAE107214	88%	100%	100%
KPN201549	PPU102385	89%	100%	100%
KPN201549	PPU100406	89%	100%	100%
KPN201549	PPU101099	89%	100%	100%
KPN201549	PPU106991	89%	100%	100%
KPN201549	PPU112044	89%	100%	100%
KPN201549	PPU109454	89%	100%	100%
KPN201549	PPU109508	89%	100%	100%
KPN201549	PSY106628	84%	67.2%	100%
KPN201549	PSY106991	88%	100%	100%
KPN201549	PSY107666	88%	100%	100%
KPN201549	PSY101542	88%	100%	100%
KPN201549	SPA101643	98%	72.1%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN201549	SPA103885	98%	100%	100%
KPN201549	SPA103853	99%	100%	100%
KPN201549	SAU302874	75%	100%	100%
KPN201549	SAU302816	75%	100%	100%
KPN201549	SAU302683	69%	59.8%	62.4%
KPN201549	SAU302807	75%	100%	100%
KPN201549	SAU301432	75%	100%	100%
KPN201549	SAU302626	75%	100%	100%
KPN201549	SEP201860	75%	100%	100%
KPN201549	SEP200476	75%	100%	100%
KPN201549	SEP201305	75%	100%	100%
KPN201549	SEP201812	75%	100%	100%
KPN201549	SEP201970	75%	100%	100%
KPN201549	SEP201855	75%	100%	100%
KPN201549	SHA102684	65%	45.1%	100%
KPN201549	SHA102720	75%	100%	100%
KPN201549	SMU101912	72%	100%	100%
KPN201549	SMU100576	72%	100%	100%
KPN201549	SMU101953	72%	100%	100%
KPN201549	SMU101883	72%	100%	100%
KPN201549	SMU101949	72%	100%	100%
KPN201549	SPN103672	68%	54.1%	100%
KPN201549	SPN102832	73%	100%	100%
KPN201549	SPY102630	74%	100%	100%
KPN201990	ABA101037	47%	98.5%	95.0%
KPN201990	BAN110655	30%	86.1%	87.1%
KPN201990	BAN109519	31%	86.1%	86.0%
KPN201990	BPT102754	25%	71.4%	76.8%
KPN201990	BCE107805	24%	78.5%	86.7%
KPN201990	BFU111761	25%	78.8%	87.0%
KPN201990	BMA100169	24%	78.5%	86.7%
KPN201990	CPN200483	24%	53.1%	54.5%
KPN201990	CTR200408	28%	51.9%	54.9%
KPN201990	CBO101374	32%	77.6%	76.1%
KPN201990	CDF104179	28%	88.8%	83.3%
KPN201990	CDF100985	30%	89.1%	90.4%
KPN201990	KPN303124	99%	100%	89.7%
KPN201990	LMO100346	32%	76.7%	81.8%
KPN201990	PAE205391	24%	78.5%	86.2%
KPN201990	PPU107507	24%	78.5%	86.2%
KPN201990	PSY103787	26%	76.1%	81.8%
KPN203025	BAN101606	24%	26.5%	27.8%
KPN203025	BAN106218	28%	38.9%	39.2%
KPN203025	BCE109617	29%	90.2%	92.1%
KPN203025	BFU109459	29%	94.6%	95.9%
KPN203025	BMA106949	29%	96.7%	98.6%
KPN203025	EBC101952	77%	90.4%	96.0%
KPN203025	KPN304247	99%	90.9%	95.8%
KPN203025	MAV105607	39%	96.5%	94.8%
KPN203025	MBV101047	35%	89.5%	92.1%
KPN203025	MTU202420	35%	89.5%	92.1%
KPN203025	PSY105004	37%	84.1%	92.6%
KPN203025	SPA102134	22%	81.3%	72.4%
KPN203025	STY100889	22%	81.3%	77.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203084	ABA105739	60%	93.6%	98.8%
KPN203084	BAN112576	33%	91.9%	98.1%
KPN203084	BAN101552	40%	92.5%	94.1%
KPN203084	BFR103117	28%	87.9%	82.3%
KPN203084	BPT102556	57%	94.2%	99.4%
KPN203084	BCE113712	58%	96.5%	94.9%
KPN203084	BFU106342	58%	94.2%	99.4%
KPN203084	BMA102494	58%	94.2%	99.4%
KPN203084	CJU100536	38%	88.4%	96.8%
KPN203084	CAC102771	43%	89.6%	93.9%
KPN203084	CDP100199	37%	93.1%	92.0%
KPN203084	EBC101943	90%	94.2%	100%
KPN203084	ECO100078	95%	94.2%	100%
KPN203084	HIN101551	67%	92.5%	98.2%
KPN203084	KPN301558	100%	100%	100%
KPN203084	LMO101469	42%	93.6%	99.4%
KPN203084	MCA100917	56%	94.2%	91.7%
KPN203084	MAV101430	44%	90.2%	92.3%
KPN203084	MBV101315	44%	90.2%	92.3%
KPN203084	MLP101037	43%	90.2%	91.7%
KPN203084	MTU202964	44%	90.2%	92.3%
KPN203084	NGO101348	58%	94.2%	99.4%
KPN203084	NME201624	58%	94.2%	99.4%
KPN203084	PMU100869	66%	92.5%	98.2%
KPN203084	PAE204691	66%	93.6%	98.8%
KPN203084	PPU100092	64%	93.6%	98.8%
KPN203084	PSY104460	64%	93.6%	98.8%
KPN203084	SPA102565	95%	50.3%	100%
KPN203084	STY103145	95%	94.8%	100%
KPN203084	STM102857	96%	94.2%	100%
KPN203084	SAU802055	31%	42.2%	88.1%
KPN203084	SHA102434	32%	45.1%	98.8%
KPN203084	SMU101466	39%	90.8%	98.1%
KPN203084	SPN400402	40%	90.8%	94.6%
KPN203084	VCH102446	65%	94.2%	99.4%
KPN203084	YPS000965	86%	93.6%	98.8%
KPN203146	BAN110986	48%	34.1%	94.5%
KPN203146	BAN113122	41%	50.4%	99.4%
KPN203146	BAN106514	38%	0.8%	37.4%
KPN203146	BFR100918	29%	91.6%	76.9%
KPN203146	CDF101629	45%	95.4%	97.4%
KPN203146	CDP101416	67%	99.3%	98.7%
KPN203146	EBC101483	80%	79.1%	97.4%
KPN203146	EFA201342	48%	97.8%	98.7%
KPN203146	EFM202157	49%	97.8%	98.7%
KPN203146	ECO102620	81%	100%	100%
KPN203146	KPN300330	100%	16.7%	95.2%
KPN203146	KPN304450	98%	100%	100%
KPN203146	LMO100307	30%	90.9%	84.0%
KPN203146	MAV103568	69%	99.7%	99.6%
KPN203146	MBV105903	71%	98.2%	96.6%
KPN203146	MLP101067	69%	97.2%	100%
KPN203146	MTU203011	70%	97.2%	100%
KPN203146	MGE100236	52%	97.2%	95.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203146	MPN100512	54%	95.5%	94.2%
KPN203146	PRT102697	70%	98.3%	99.0%
KPN203146	SPA100936	71%	61.5%	100%
KPN203146	STY102722	79%	100%	100%
KPN203146	STM103199	80%	100%	100%
KPN203146	SAU800731	40%	97.6%	95.8%
KPN203146	SEP201122	32%	12.5%	98.9%
KPN203146	SEP200797	41%	97.6%	98.1%
KPN203146	SHA100609	41%	88.9%	95.7%
KPN203146	SMU100850	48%	97.8%	98.7%
KPN203146	SPN401065	48%	98.3%	98.9%
KPN203146	SPY200304	54%	95.5%	94.1%
KPN203146	YPS001322	70%	97.2%	100%
KPN203246	ABA101867	65%	98.7%	76.4%
KPN203246	BAN100493	78%	4.2%	12.1%
KPN203246	BAN105594	29%	27.7%	100%
KPN203246	BAN103472	45%	61.2%	99.3%
KPN203246	BAN107108	55%	98.7%	76.7%
KPN203246	BFR10905	35%	97.2%	74.6%
KPN203246	BFR101559	53%	98.7%	76.1%
KPN203246	BPT101928	64%	98.7%	76.8%
KPN203246	BCE104127	60%	6.7%	83.3%
KPN203246	BCE108256	67%	98.7%	76.8%
KPN203246	BFU101142	68%	97.3%	98.9%
KPN203246	BMA104295	66%	98.7%	76.8%
KPN203246	CJU100472	48%	98.2%	76.5%
KPN203246	CPN200617	50%	98.4%	75.5%
KPN203246	CAC100315	52%	98.7%	76.8%
KPN203246	CBO100316	52%	98.7%	76.8%
KPN203246	CDF100817	53%	98.7%	77.0%
KPN203246	CDP101419	57%	97.8%	76.9%
KPN203246	EBC100668	95%	54.4%	64.8%
KPN203246	EFA200871	55%	98.7%	76.2%
KPN203246	EFM202090	55%	98.7%	76.1%
KPN203246	ECO102539	95%	98.7%	76.8%
KPN203246	HIN100839	78%	98.7%	76.9%
KPN203246	HPY100260	48%	98.2%	76.4%
KPN203246	KPN301209	99%	98.7%	76.8%
KPN203246	LPN102913	75%	98.7%	78.0%
KPN203246	LMO101394	54%	98.7%	76.7%
KPN203246	MCA100931	62%	98.7%	74.0%
KPN203246	MAV101212	56%	97.8%	75.4%
KPN203246	MBV100178	56%	97.6%	80.7%
KPN203246	MLP101480	55%	97.8%	77.1%
KPN203246	MTU200383	56%	97.6%	77.0%
KPN203246	NGO100439	65%	98.7%	77.1%
KPN203246	NME201542	65%	98.7%	77.1%
KPN203246	PMU101704	78%	98.7%	76.8%
KPN203246	PRT105204	85%	98.7%	76.7%
KPN203246	PAE204540	71%	98.7%	77.0%
KPN203246	PPU108177	70%	98.7%	77.0%
KPN203246	PSY100953	70%	93.6%	76.1%
KPN203246	SPA106334	94%	51.1%	100%
KPN203246	STY102189	96%	98.7%	76.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203246	SAU800975	52%	98.7%	76.2%
KPN203246	SEP200200	53%	98.7%	76.2%
KPN203246	SHA100227	57%	85.3%	70.2%
KPN203246	SPY100446	46%	71.1%	76.1%
KPN203246	TPA100070	54%	98.7%	75.4%
KPN203246	VCH100698	77%	98.7%	76.8%
KPN203246	YPS002837	88%	98.7%	76.8%
KPN203310	BFU111646	37%	83.2%	84.6%
KPN203310	BFU103630	38%	92%	91.3%
KPN203310	EBC102431	75%	96.8%	93.8%
KPN203310	KPN304901	100%	100%	100%
KPN203310	PRT103773	42%	86.8%	88.6%
KPN203310	PAE202201	43%	89.6%	93.7%
KPN203310	PSY105400	34%	92%	96.5%
KPN203310	YPS003510	42%	88%	89.0%
KPN203487	ABA106040	46%	95.8%	96.9%
KPN203487	BCE101393	47%	95.8%	91.6%
KPN203487	CBO103956	26%	87.9%	88.6%
KPN203487	CDF102345	24%	58.4%	66.5%
KPN203487	KPN304430	98%	94.2%	97.8%
KPN203487	PSY102504	43%	96.8%	96.9%
KPN203534	EBC104008	94%	33.8%	94.7%
KPN203534	ECO102108	93%	100%	100%
KPN203534	HIN100803	74%	100%	100%
KPN203534	KPN302668	99%	98.0%	100%
KPN203534	PMU101039	75%	100%	100%
KPN203534	SPA103481	93%	98.0%	100%
KPN203534	TPA100677	51%	97.6%	99.4%
KPN203534	VCH101307	77%	98.0%	96.5%
KPN203534	YPS002281	88%	100%	100%
KPN203895	ABA100375	67%	100%	99.7%
KPN203895	BAN102615	49%	92%	89.8%
KPN203895	BAN113204	55%	95.7%	94.5%
KPN203895	BFR11926	47%	95.2%	96.8%
KPN203895	BPT100982	66%	98.4%	98.9%
KPN203895	BBU100808	38%	94.1%	94.7%
KPN203895	BCE109231	64%	98.4%	94.7%
KPN203895	BFU102660	63%	97.9%	93.9%
KPN203895	BMA101185	67%	98.4%	94.2%
KPN203895	CJU100938	41%	97.9%	100%
KPN203895	CPN200536	34%	93.1%	98.1%
KPN203895	CTR200458	33%	94.4%	99.5%
KPN203895	CAC102531	48%	92.8%	94.7%
KPN203895	CBO102700	48%	92.8%	94.7%
KPN203895	CDF100795	57%	97.6%	96.8%
KPN203895	CDP101532	38%	97.1%	93.5%
KPN203895	EBC102650	98%	100%	100%
KPN203895	EFA200390	53%	94.7%	92.9%
KPN203895	EFM201771	52%	94.7%	92.9%
KPN203895	ECO100398	97%	100%	100%
KPN203895	HIN100233	81%	99.7%	99.0%
KPN203895	HPY100277	45%	97.1%	98.4%
KPN203895	KPN303442	100%	100%	100%
KPN203895	LPN100896	41%	82.4%	99.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203895	LMO100999	55%	98.7%	97.9%
KPN203895	MCA103114	62%	99.5%	99.7%
KPN203895	NGO101847	60%	98.4%	99.5%
KPN203895	NME200853	60%	97.9%	98.9%
KPN203895	PMU100229	82%	99.2%	97.7%
KPN203895	PRT100799	89%	99.5%	98.2%
KPN203895	PAE203820	71%	99.5%	99.7%
KPN203895	PPU101526	69%	99.5%	100%
KPN203895	PSY103820	70%	99.2%	99.7%
KPN203895	SPA103217	97%	100%	100%
KPN203895	STY100394	98%	100%	100%
KPN203895	STM100065	98%	100%	100%
KPN203895	SAU801639	57%	95.5%	94.2%
KPN203895	SEP201595	55%	95.5%	94.2%
KPN203895	SHA101470	57%	63.5%	93.7%
KPN203895	SMU100613	50%	94.7%	93.2%
KPN203895	SPN401866	50%	94.7%	93.2%
KPN203895	SPY200153	52%	94.7%	93.2%
KPN203895	VCH100728	82%	100%	98.9%
KPN203895	YPS002550	90%	99.7%	100%
KPN203896	ABA100377	56%	96.9%	98.6%
KPN203896	BAN110462	48%	96.9%	100%
KPN203896	BAN105206	49%	96.9%	97.4%
KPN203896	BFR101067	39%	96.9%	99.1%
KPN203896	BPT100983	55%	96.9%	97.4%
KPN203896	BBU100021	28%	61.3%	98.6%
KPN203896	BCE109754	59%	26.8%	90.7%
KPN203896	BFU102661	52%	97.2%	98.6%
KPN203896	BMA105286	51%	98.6%	97.5%
KPN203896	CJU100538	38%	96.3%	98.0%
KPN203896	CAC102220	47%	96.9%	99.7%
KPN203896	CBO103873	50%	96.9%	98.8%
KPN203896	CDF100218	50%	96.9%	99.7%
KPN203896	EBC102649	90%	99.7%	99.2%
KPN203896	EFA200438	49%	95.8%	97.4%
KPN203896	EFM101932	42%	42.1%	91.5%
KPN203896	ECO100397	93%	99.7%	99.2%
KPN203896	HIN100234	69%	97.7%	98.1%
KPN203896	HPY101045	36%	95.5%	97.4%
KPN203896	KPN303445	95%	35.0%	100%
KPN203896	KPN304932	100%	100%	100%
KPN203896	LPN100464	54%	96.9%	99.7%
KPN203896	LMO101436	49%	96.9%	99.7%
KPN203896	MCA100738	48%	96.3%	96.4%
KPN203896	MLP101376	35%	21.2%	22.7%
KPN203896	NGO101626	56%	97.7%	98.6%
KPN203896	NME200555	57%	97.7%	98.6%
KPN203896	PMU100232	67%	98.0%	98.3%
KPN203896	PRT102078	84%	99.7%	98.9%
KPN203896	PAE203821	70%	98.0%	98.0%
KPN203896	PPU101525	70%	98.0%	97.4%
KPN203896	PSY103819	70%	98.0%	96.0%
KPN203896	SPA103215	89%	64.7%	99.1%
KPN203896	STY100393	92%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203896	STM100064	92%	100%	100%
KPN203896	SAU801640	45%	96.9%	99.7%
KPN203896	SEP201597	47%	96.9%	99.7%
KPN203896	SHA100644	46%	96.9%	99.7%
KPN203896	SMU100783	47%	96.9%	99.7%
KPN203896	SPN401272	46%	96.9%	98.6%
KPN203896	SPY201071	47%	96.9%	99.7%
KPN203896	VCH100726	71%	96.9%	98.0%
KPN203896	YPS002552	82%	99.7%	99.2%
KPN203973	ABA105528	71%	59.8%	100%
KPN203973	ABA106151	74%	63.1%	100%
KPN203973	ABA105551	84%	91.8%	100%
KPN203973	ABA101831	85%	100%	100%
KPN203973	BAN100346	69%	76.2%	96.9%
KPN203973	BAN101836	75%	98.4%	100%
KPN203973	BAN105253	76%	100%	100%
KPN203973	BAN103157	76%	100%	100%
KPN203973	BAN103430	76%	100%	100%
KPN203973	BAN100749	76%	100%	100%
KPN203973	BAN106478	76%	100%	100%
KPN203973	BAN104535	76%	100%	100%
KPN203973	BAN100304	76%	100%	100%
KPN203973	BAN103959	76%	100%	100%
KPN203973	BAN106892	76%	100%	100%
KPN203973	BAN112264	76%	100%	100%
KPN203973	BAN105419	76%	100%	100%
KPN203973	BFR105579	72%	100%	100%
KPN203973	BFR103235	72%	100%	100%
KPN203973	BPT103416	100%	34.4%	27.3%
KPN203973	BPT104523	100%	34.4%	27.3%
KPN203973	BPT103989	100%	34.4%	27.3%
KPN203973	BCE110368	76%	51.6%	100%
KPN203973	BCE109830	82%	55.7%	98.6%
KPN203973	BCE114555	80%	94.3%	100%
KPN203973	BCE115125	85%	100%	100%
KPN203973	BMA101414	83%	100%	100%
KPN203973	CTR200114	72%	100%	100%
KPN203973	CBO100841	69%	59.0%	100%
KPN203973	CBO103821	72%	85.2%	100%
KPN203973	CBO102961	72%	91.8%	100%
KPN203973	CBO102777	72%	100%	100%
KPN203973	CBO100139	72%	100%	100%
KPN203973	CBO102075	72%	100%	100%
KPN203973	CBO101355	72%	100%	100%
KPN203973	CDF100014	71%	78.7%	100%
KPN203973	CDF102596	70%	100%	100%
KPN203973	CDF100358	74%	100%	100%
KPN203973	CDF102023	74%	100%	100%
KPN203973	CDF101174	75%	100%	100%
KPN203973	CDF100271	74%	100%	100%
KPN203973	CDF102190	74%	100%	100%
KPN203973	CDF100009	74%	100%	100%
KPN203973	CDF101049	74%	100%	100%
KPN203973	CDF100125	75%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203973	CDP100750	66%	100%	100%
KPN203973	CDP100008	66%	100%	100%
KPN203973	CDP101025	66%	100%	100%
KPN203973	CDP101470	66%	100%	100%
KPN203973	CDP101508	66%	100%	100%
KPN203973	EBC104695	96%	41.0%	100%
KPN203973	EBC104708	98%	100%	100%
KPN203973	EFA203112	71%	100%	100%
KPN203973	EFA201542	71%	100%	100%
KPN203973	EFA203085	71%	100%	100%
KPN203973	EFA202786	71%	100%	100%
KPN203973	EFM102382	71%	100%	100%
KPN203973	KPN300847	95%	78.7%	100%
KPN203973	KPN300969	92%	78.7%	100%
KPN203973	KPN301056	98%	64.8%	100%
KPN203973	KPN302967	99%	100%	100%
KPN203973	LPN102481	90%	100%	100%
KPN203973	MCA102101	86%	100%	100%
KPN203973	MBV100203	66%	100%	100%
KPN203973	NGO100484	82%	100%	100%
KPN203973	NGO101737	85%	100%	56.5%
KPN203973	NGO100413	85%	100%	56.5%
KPN203973	NGO101926	85%	100%	56.5%
KPN203973	NME103001	86%	100%	100%
KPN203973	PRT103668	90%	71.3%	100%
KPN203973	PRT103667	91%	95.1%	100%
KPN203973	PRT103665	93%	100%	100%
KPN203973	PAE107214	88%	100%	100%
KPN203973	PPU102385	89%	100%	100%
KPN203973	PPU100406	89%	100%	100%
KPN203973	PPU101099	89%	100%	100%
KPN203973	PPU106991	89%	100%	100%
KPN203973	PPU112044	89%	100%	100%
KPN203973	PPU109454	89%	100%	100%
KPN203973	PPU109508	89%	100%	100%
KPN203973	PSY106628	84%	67.2%	100%
KPN203973	PSY106991	88%	100%	100%
KPN203973	PSY107666	88%	100%	100%
KPN203973	PSY101542	88%	100%	100%
KPN203973	SPA101643	98%	72.1%	100%
KPN203973	SPA103885	98%	100%	100%
KPN203973	SPA103853	99%	100%	100%
KPN203973	SAU302874	75%	100%	100%
KPN203973	SAU302816	75%	100%	100%
KPN203973	SAU302683	69%	59.8%	62.4%
KPN203973	SAU302807	75%	100%	100%
KPN203973	SAU301432	75%	100%	100%
KPN203973	SAU302626	75%	100%	100%
KPN203973	SEP201860	75%	100%	100%
KPN203973	SEP200476	75%	100%	100%
KPN203973	SEP201305	75%	100%	100%
KPN203973	SEP201812	75%	100%	100%
KPN203973	SEP201970	75%	100%	100%
KPN203973	SEP201855	75%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN203973	SHA102684	65%	45.1%	100%
KPN203973	SHA102720	75%	100%	100%
KPN203973	SMU101912	72%	100%	100%
KPN203973	SMU100576	72%	100%	100%
KPN203973	SMU101953	72%	100%	100%
KPN203973	SMU101883	72%	100%	100%
KPN203973	SMU101949	72%	100%	100%
KPN203973	SPN103672	68%	54.1%	100%
KPN203973	SPN102832	73%	100%	100%
KPN203973	SPY102630	74%	100%	100%
KPN204464	ABA103108	75%	96.3%	95.7%
KPN204464	BCE112521	20%	75.5%	75.5%
KPN204464	BFU107834	43%	96.3%	46.9%
KPN204464	BMA107974	22%	75.5%	86.0%
KPN204464	KPN304132	99%	100%	100%
KPN204464	MCA100338	22%	28.8%	35.3%
KPN204464	MBV105390	59%	94.4%	95.8%
KPN204464	MTU203407	56%	74.6%	95.0%
KPN204464	PSY102309	44%	96.3%	44.1%
KPN204464	SEP100083	20%	51.4%	91.2%
KPN204464	SHA102232	22%	64.7%	91.8%
KPN204465	ABA102567	70%	96.6%	97.1%
KPN204465	BPT100743	71%	95.6%	91.6%
KPN204465	BCE100299	74%	96.1%	91.6%
KPN204465	BFU110334	73%	96.1%	90.8%
KPN204465	BMA101911	73%	96.1%	91.2%
KPN204465	EBC101191	88%	99.0%	100%
KPN204465	ECO205361	90%	100%	100%
KPN204465	ECO201402	90%	100%	100%
KPN204465	HIN100515	60%	98.5%	89.8%
KPN204465	HPY100066	63%	95.6%	98.5%
KPN204465	KPN304128	100%	100%	100%
KPN204465	MBV102011	56%	94.6%	86.6%
KPN204465	MTU201819	56%	94.6%	86.6%
KPN204465	PRT102194	77%	99.0%	99.0%
KPN204465	PAE204888	71%	96.1%	96.6%
KPN204465	PPU110666	87%	99.5%	98.6%
KPN204465	PSY106880	70%	99.0%	98.0%
KPN204465	SAU802293	63%	96.6%	97.1%
KPN204465	SEP200377	61%	96.6%	97.1%
KPN204465	UUR100434	59%	95.6%	95.6%
KPN204465	YPS001381	59%	90.7%	85.9%
KPN204596	BPT102408	28%	73.9%	88.5%
KPN204596	BBU100677	21%	91.5%	91.6%
KPN204596	BCE102728	51%	92.4%	89.6%
KPN204596	CBO102661	26%	71.6%	80.7%
KPN204596	EBC104522	88%	100%	100%
KPN204596	EFA202350	25%	88.9%	84.5%
KPN204596	ECO104120	87%	100%	100%
KPN204596	KPN303796	99%	100%	100%
KPN204596	MCA101148	26%	75.4%	90.6%
KPN204596	MTU202692	26%	66.3%	71.8%
KPN204596	SPY200940	23%	77.1%	79.4%
KPN204596	UUR100012	22%	90.6%	45.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN204596	YPS001711	73%	94.7%	95.6%
KPN206300	ABA100706	35%	99.0%	99.7%
KPN206300	BAN101961	30%	100%	100%
KPN206300	BAN108651	35%	100%	99.0%
KPN206300	BFR100189	33%	95.3%	61.7%
KPN206300	BCE111641	34%	83.5%	99.6%
KPN206300	CDP100349	34%	62.0%	94%
KPN206300	EBC103018	78%	99.7%	99.7%
KPN206300	ECO102262	83%	99.7%	99.7%
KPN206300	HIN101181	42%	99.7%	99.0%
KPN206300	KPN302831	100%	100%	100%
KPN206300	LPN102893	38%	98.7%	98.0%
KPN206300	LMO100025	35%	99.7%	99.7%
KPN206300	MAV101349	40%	99.7%	65.4%
KPN206300	MBV104453	39%	97.6%	95.4%
KPN206300	MLP100520	36%	97.6%	93.8%
KPN206300	MTU202182	39%	97.6%	95.7%
KPN206300	PMU100548	50%	99.7%	99.7%
KPN206300	PRT101600	59%	99.7%	98.7%
KPN206300	PAE204653	51%	99.7%	97.4%
KPN206300	PPU109740	48%	100%	99.3%
KPN206300	PSY102382	56%	16.2%	90.6%
KPN206300	SPA103771	83%	99.7%	99.7%
KPN206300	STY100994	83%	99.7%	99.7%
KPN206300	STM100744	83%	99.7%	99.7%
KPN206300	SAU800769	35%	98.7%	98%
KPN206300	SEP201413	35%	99.3%	98.7%
KPN206300	SHA101576	36%	99.3%	98.7%
KPN206300	YPS002442	65%	99.7%	98.3%
KPN206685	CAC101460	17%	89.3%	94.9%
KPN206685	EBC100447	31%	63.5%	95.3%
KPN206685	ECO101499	33%	86.4%	90.7%
KPN206685	HIN100128	29%	88.1%	92.7%
KPN206685	HPY101168	29%	86.4%	92.3%
KPN206685	KPN302908	34%	85.4%	90.2%
KPN206685	KPN302890	100%	100%	100%
KPN206685	MAV104012	27%	89.7%	93.0%
KPN206685	MBV102693	31%	85.7%	92.6%
KPN206685	MTU200190	31%	89.7%	92.3%
KPN206685	NGO102033	29%	87.4%	99.5%
KPN206685	PMU100949	30%	89.7%	93.6%
KPN206685	PRT105535	29%	87.4%	89.0%
KPN206685	PAE204110	33%	90.0%	94.2%
KPN206685	PPU103772	30%	92.4%	95.7%
KPN206685	PSY104435	30%	88.8%	90.7%
KPN206685	SPA103066	31%	88.8%	93.9%
KPN206685	STY104274	31%	88.8%	93.4%
KPN207255	ABA105528	71%	93.6%	100%
KPN207255	ABA106151	74%	98.7%	100%
KPN207255	ABA105551	78%	100%	69.6%
KPN207255	ABA101831	78%	100%	63.9%
KPN207255	BAN100346	75%	62.8%	51.0%
KPN207255	BAN105253	73%	100%	63.9%
KPN207255	BAN105419	73%	100%	63.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN207255	BAN101836	73%	100%	65%
KPN207255	BAN103430	73%	100%	63.9%
KPN207255	BAN100749	73%	100%	63.9%
KPN207255	BAN106478	73%	100%	63.9%
KPN207255	BAN104535	73%	100%	63.9%
KPN207255	BAN100304	73%	100%	63.9%
KPN207255	BAN103157	73%	100%	63.9%
KPN207255	BAN106892	73%	100%	63.9%
KPN207255	BAN112264	73%	100%	63.9%
KPN207255	BAN103959	73%	100%	63.9%
KPN207255	BFR105579	64%	100%	63.9%
KPN207255	BFR103235	64%	100%	63.9%
KPN207255	BCE109830	68%	32.1%	36.2%
KPN207255	BCE110368	76%	80.8%	100%
KPN207255	BCE114555	79%	98.7%	67.0%
KPN207255	BCE115125	78%	100%	63.9%
KPN207255	BMA101414	75%	100%	63.9%
KPN207255	CTR200114	70%	100%	63.9%
KPN207255	CBO100841	69%	92.3%	100%
KPN207255	CBO103821	70%	100%	75%
KPN207255	CBO102961	70%	100%	69.6%
KPN207255	CBO100139	70%	100%	63.9%
KPN207255	CBO102075	70%	100%	63.9%
KPN207255	CBO101355	70%	100%	63.9%
KPN207255	CBO102777	70%	100%	63.9%
KPN207255	CDF102596	66%	100%	63.9%
KPN207255	CDF102023	69%	100%	63.9%
KPN207255	CDF100014	69%	100%	81.2%
KPN207255	CDF100358	69%	100%	63.9%
KPN207255	CDF101174	70%	100%	63.9%
KPN207255	CDF100271	69%	100%	63.9%
KPN207255	CDF102190	69%	100%	63.9%
KPN207255	CDF100009	69%	100%	63.9%
KPN207255	CDF101049	69%	100%	63.9%
KPN207255	CDF100125	70%	100%	63.9%
KPN207255	CDP100750	61%	100%	63.9%
KPN207255	CDP100008	61%	100%	63.9%
KPN207255	CDP101025	61%	100%	63.9%
KPN207255	CDP101470	61%	100%	63.9%
KPN207255	CDP101508	61%	100%	63.9%
KPN207255	EBC104695	98%	64.1%	100%
KPN207255	EBC104708	97%	100%	63.9%
KPN207255	EFA203112	66%	100%	63.9%
KPN207255	EFA201542	66%	100%	63.9%
KPN207255	EFA203085	66%	100%	63.9%
KPN207255	EFA202786	66%	100%	63.9%
KPN207255	EFM102382	66%	100%	63.9%
KPN207255	KPN301056	98%	100%	98.7%
KPN207255	KPN300969	96%	100%	81.2%
KPN207255	KPN300847	98%	100%	81.2%
KPN207255	KPN302967	98%	100%	63.9%
KPN207255	LPN102481	84%	100%	63.9%
KPN207255	MCA102101	79%	100%	63.9%
KPN207255	MBV100203	58%	100%	63.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN207255	NGO100484	75%	100%	63.9%
KPN207255	NGO101737	78%	100%	36.1%
KPN207255	NGO100413	78%	100%	36.1%
KPN207255	NGO101926	78%	100%	36.1%
KPN207255	NME103001	80%	100%	63.9%
KPN207255	PRT103668	89%	100%	89.7%
KPN207255	PRT103665	89%	100%	63.9%
KPN207255	PRT103667	89%	100%	67.2%
KPN207255	PAE107214	82%	100%	63.9%
KPN207255	PPU102385	83%	100%	63.9%
KPN207255	PPU100406	83%	100%	63.9%
KPN207255	PPU101099	83%	100%	63.9%
KPN207255	PPU106991	83%	100%	63.9%
KPN207255	PPU112044	83%	100%	63.9%
KPN207255	PPU109454	83%	100%	63.9%
KPN207255	PPU109508	83%	100%	63.9%
KPN207255	PSY106628	82%	100%	95.1%
KPN207255	PSY107666	82%	100%	63.9%
KPN207255	PSY106991	82%	100%	63.9%
KPN207255	PSY101542	82%	100%	63.9%
KPN207255	SPA103885	96%	100%	63.9%
KPN207255	SPA103853	97%	100%	63.9%
KPN207255	SPA101643	97%	100%	88.6%
KPN207255	SAU302874	70%	100%	63.9%
KPN207255	SAU302816	70%	100%	63.9%
KPN207255	SAU302683	69%	93.6%	62.4%
KPN207255	SAU302807	70%	100%	63.9%
KPN207255	SAU301432	70%	100%	63.9%
KPN207255	SAU302626	70%	100%	63.9%
KPN207255	SEP201860	70%	100%	63.9%
KPN207255	SEP200476	70%	100%	63.9%
KPN207255	SEP201305	70%	100%	63.9%
KPN207255	SEP201812	70%	100%	63.9%
KPN207255	SEP201970	70%	100%	63.9%
KPN207255	SEP201855	70%	100%	63.9%
KPN207255	SHA102684	65%	70.5%	100%
KPN207255	SHA102720	70%	100%	63.9%
KPN207255	SMU101912	67%	100%	63.9%
KPN207255	SMU100576	67%	100%	63.9%
KPN207255	SMU101953	67%	100%	63.9%
KPN207255	SMU101883	67%	100%	63.9%
KPN207255	SMU101949	67%	100%	63.9%
KPN207255	SPN103672	68%	84.6%	100%
KPN207255	SPN102832	69%	100%	63.9%
KPN207255	SPY102630	70%	100%	63.9%
KPN208757	BPT104464	28%	92.4%	92.2%
KPN208757	BCE109471	31%	98.2%	97.8%
KPN208757	BFU113717	27%	97.8%	96.4%
KPN208757	BMA102384	29%	97.8%	97.9%
KPN208757	CJU101563	35%	65.9%	26.7%
KPN208757	EBC100769	88%	100%	99.6%
KPN208757	ECO100991	89%	87.0%	98.8%
KPN208757	KPN300130	45%	79.7%	100%
KPN208757	KPN306701	100%	100%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN208757	LMO100238	25%	73.6%	42.3%
KPN208757	MAV107152	42%	95.3%	82.1%
KPN208757	NGO101920	50%	98.6%	97.8%
KPN208757	NME200263	51%	99.3%	98.2%
KPN208757	PMU100453	31%	73.9%	32.6%
KPN208757	PRT104094	24%	92.8%	95.0%
KPN208757	PAE205243	27%	73.6%	31.9%
KPN208757	PPU109970	27%	73.6%	31.2%
KPN208757	PSY102797	58%	96.0%	93.3%
KPN208757	SAU800345	23%	73.2%	35.2%
KPN208757	SHA101901	23%	95.7%	42.3%
KPN208757	TPA100962	27%	73.6%	45.8%
KPN208757	YPS001603	75%	100%	97.9%
KPN300969	ABA105528	69%	76.0%	100%
KPN300969	ABA106151	72%	80.2%	100%
KPN300969	ABA105551	77%	100%	85.7%
KPN300969	ABA101831	77%	100%	78.7%
KPN300969	BAN100346	75%	59.4%	59.4%
KPN300969	BAN105253	70%	100%	78.7%
KPN300969	BAN105419	70%	100%	78.7%
KPN300969	BAN101836	70%	100%	80%
KPN300969	BAN103430	70%	100%	78.7%
KPN300969	BAN100749	70%	100%	78.7%
KPN300969	BAN106478	70%	100%	78.7%
KPN300969	BAN104535	70%	100%	78.7%
KPN300969	BAN100304	70%	100%	78.7%
KPN300969	BAN103157	70%	100%	78.7%
KPN300969	BAN106892	70%	100%	78.7%
KPN300969	BAN112264	70%	100%	78.7%
KPN300969	BAN103959	70%	100%	78.7%
KPN300969	BFR105579	65%	100%	78.7%
KPN300969	BFR103235	65%	100%	78.7%
KPN300969	BCE109830	69%	44.8%	62.3%
KPN300969	BCE110368	73%	65.6%	100%
KPN300969	BCE114555	75%	100%	83.5%
KPN300969	BCE115125	76%	100%	78.7%
KPN300969	BMA101414	73%	100%	78.7%
KPN300969	CTR200114	70%	100%	78.7%
KPN300969	CBO100841	69%	75%	100%
KPN300969	CBO103821	68%	100%	92.3%
KPN300969	CBO102961	68%	100%	85.7%
KPN300969	CBO100139	68%	100%	78.7%
KPN300969	CBO102075	68%	100%	78.7%
KPN300969	CBO101355	68%	100%	78.7%
KPN300969	CBO102777	68%	100%	78.7%
KPN300969	CDF102596	66%	100%	78.7%
KPN300969	CDF102023	69%	100%	78.7%
KPN300969	CDF100014	69%	100%	100%
KPN300969	CDF100358	69%	100%	78.7%
KPN300969	CDF101174	70%	100%	78.7%
KPN300969	CDF100271	69%	100%	78.7%
KPN300969	CDF102190	69%	100%	78.7%
KPN300969	CDF100009	69%	100%	78.7%
KPN300969	CDF101049	69%	100%	78.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN300969	CDF100125	70%	100%	78.7%
KPN300969	CDP100750	63%	100%	78.7%
KPN300969	CDP100008	63%	100%	78.7%
KPN300969	CDP101025	63%	100%	78.7%
KPN300969	CDP101470	63%	100%	78.7%
KPN300969	CDP101508	63%	100%	78.7%
KPN300969	EBC104695	94%	52.1%	100%
KPN300969	EBC104708	92%	100%	78.7%
KPN300969	EFA203112	65%	100%	78.7%
KPN300969	EFA201542	65%	100%	78.7%
KPN300969	EFA203085	65%	100%	78.7%
KPN300969	EFA202786	65%	100%	78.7%
KPN300969	EFM102382	65%	100%	78.7%
KPN300969	KPN300847	96%	100%	100%
KPN300969	KPN302967	93%	100%	78.7%
KPN300969	KPN300969	100%	100%	100%
KPN300969	LPN102481	82%	100%	78.7%
KPN300969	MCA102101	78%	100%	78.7%
KPN300969	MBV100203	59%	100%	78.7%
KPN300969	NGO100484	75%	100%	78.7%
KPN300969	NGO101737	77%	100%	44.4%
KPN300969	NGO100413	77%	100%	44.4%
KPN300969	NGO101926	77%	100%	44.4%
KPN300969	NME103001	79%	100%	78.7%
KPN300969	PRT103668	89%	90.6%	100%
KPN300969	PRT103667	86%	100%	82.8%
KPN300969	PRT103665	86%	100%	78.7%
KPN300969	PAE107214	80%	100%	78.7%
KPN300969	PPU102385	81%	100%	78.7%
KPN300969	PPU100406	81%	100%	78.7%
KPN300969	PPU101099	81%	100%	78.7%
KPN300969	PPU106991	81%	100%	78.7%
KPN300969	PPU112044	81%	100%	78.7%
KPN300969	PPU109454	81%	100%	78.7%
KPN300969	PPU109508	81%	100%	78.7%
KPN300969	PSY106628	81%	85.4%	100%
KPN300969	PSY106991	80%	100%	78.7%
KPN300969	PSY107666	80%	100%	78.7%
KPN300969	PSY101542	80%	100%	78.7%
KPN300969	SPA101643	96%	90.6%	98.9%
KPN300969	SPA103885	91%	100%	78.7%
KPN300969	SPA103853	92%	100%	78.7%
KPN300969	SAU302874	69%	100%	78.7%
KPN300969	SAU302816	69%	100%	78.7%
KPN300969	SAU302683	68%	76.0%	62.4%
KPN300969	SAU302807	69%	100%	78.7%
KPN300969	SAU301432	69%	100%	78.7%
KPN300969	SAU302626	69%	100%	78.7%
KPN300969	SEP201860	69%	100%	78.7%
KPN300969	SEP200476	69%	100%	78.7%
KPN300969	SEP201305	69%	100%	78.7%
KPN300969	SEP201812	69%	100%	78.7%
KPN300969	SEP201970	69%	100%	78.7%
KPN300969	SEP201855	69%	100%	78.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
KPN300969	SHA102684	63%	57.3%	100%
KPN300969	SHA102720	69%	100%	78.7%
KPN300969	SMU101912	67%	100%	78.7%
KPN300969	SMU100576	67%	100%	78.7%
KPN300969	SMU101953	67%	100%	78.7%
KPN300969	SMU101883	67%	100%	78.7%
KPN300969	SMU101949	67%	100%	78.7%
KPN300969	SPN103672	68%	68.8%	100%
KPN300969	SPN102832	68%	100%	78.7%
KPN300969	SPY102630	69%	100%	78.7%
KPN303445	ABA100377	63%	85.5%	30.4%
KPN303445	BAN110462	54%	80.6%	29.0%
KPN303445	BAN105206	56%	80.6%	28.3%
KPN303445	BFR101067	46%	81.5%	28.1%
KPN303445	BPT100983	60%	84.7%	30.3%
KPN303445	BCE109754	59%	76.6%	90.7%
KPN303445	BFU102661	58%	90.3%	32.4%
KPN303445	BMA105286	56%	90.3%	31.7%
KPN303445	CJU100538	43%	75.8%	25.7%
KPN303445	CAC102220	51%	85.5%	30.5%
KPN303445	CBO103873	63%	80.6%	28.5%
KPN303445	CDF100218	55%	85.5%	30.5%
KPN303445	EBC102649	86%	100%	34.8%
KPN303445	EFA200438	57%	78.2%	27.7%
KPN303445	EFM100157	53%	71.0%	98.9%
KPN303445	ECO100397	88%	100%	34.8%
KPN303445	HIN100234	69%	87.9%	31.1%
KPN303445	HPY101045	39%	79.0%	27.5%
KPN303445	KPN304932	95%	100%	35.0%
KPN303445	KPN303445	100%	100%	100%
KPN303445	LPN100464	62%	84.7%	30.3%
KPN303445	LMO101436	58%	80.6%	28.9%
KPN303445	MCA100738	53%	91.9%	31.9%
KPN303445	NGO101626	56%	93.5%	32.9%
KPN303445	NME200555	60%	93.5%	32.9%
KPN303445	PMU100232	67%	94.4%	33.3%
KPN303445	PRT102078	87%	100%	34.7%
KPN303445	PAE203821	71%	88.7%	30.8%
KPN303445	PPU101525	70%	88.7%	30.7%
KPN303445	PSY103819	72%	88.7%	30.2%
KPN303445	SPA103215	89%	100%	53.7%
KPN303445	STY100393	89%	100%	35.0%
KPN303445	STM100064	90%	100%	35.0%
KPN303445	SAU801640	50%	85.5%	30.5%
KPN303445	SEP201597	51%	85.5%	30.5%
KPN303445	SHA100644	54%	80.6%	28.7%
KPN303445	SMU100783	53%	91.1%	31.6%
KPN303445	SPN401272	54%	82.3%	29.2%
KPN303445	SPY201071	57%	80.6%	28.9%
KPN303445	VCH100726	72%	91.1%	32.7%
KPN303445	YPS002552	76%	100%	34.8%
PAE100416	BPT102923	32%	47.1%	91.2%
PAE100416	CJU101231	28%	45.0%	87.6%
PAE100416	CDF101294	27%	76.7%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE100416	PAE100416	100%	100%	100%
PAE100416	PSY102925	71%	24.1%	10.0%
PAE100416	VCH101555	28%	50.2%	92.8%
PAE103489	PAE103489	100%	100%	100%
PAE105557	PRT103646	29%	82.8%	92.1%
PAE105557	PAE105557	100%	100%	100%
PAE105557	PSY108661	76%	97.8%	76.5%
PAE105557	VCH103214	34%	82.8%	96.5%
PAE105774	PAE105774	100%	100%	100%
PAE106754	PAE106754	100%	100%	100%
PAE108022	BMA109211	39%	99.6%	86.9%
PAE108022	KPN101409	34%	29.0%	89.9%
PAE108022	PAE108022	100%	100%	100%
PAE109011	ABA101540	47%	48.4%	100%
PAE109011	ABA103709	51%	100%	100%
PAE109011	BAN105335	27%	85.8%	85.1%
PAE109011	BAN107313	29%	86.8%	81.2%
PAE109011	BAN113265	29%	86.8%	81.2%
PAE109011	BFR106103	27%	98.9%	95.1%
PAE109011	BPT102239	70%	99.7%	100%
PAE109011	BCE106127	71%	98.4%	100%
PAE109011	BFU101538	73%	99.5%	99.7%
PAE109011	BMA102767	72%	99.5%	100%
PAE109011	CDP102956	28%	32.8%	29.4%
PAE109011	EBC101979	43%	98.4%	71.7%
PAE109011	ECO101573	42%	98.4%	71.6%
PAE109011	HIN101328	43%	98.9%	71.7%
PAE109011	HPY101378	22%	90.9%	85.3%
PAE109011	KPN105357	46%	39.8%	90.3%
PAE109011	LPN100345	44%	98.1%	96.3%
PAE109011	LMO100186	28%	95.2%	90.8%
PAE109011	MAV101641	49%	97.8%	97.3%
PAE109011	MBV102675	48%	97.3%	96.4%
PAE109011	MLP101560	49%	97.3%	96.2%
PAE109011	MTU200155	48%	97.3%	96.4%
PAE109011	NGO101564	44%	98.4%	71.3%
PAE109011	NME201088	45%	98.4%	71.3%
PAE109011	PMU100753	45%	98.4%	71.7%
PAE109011	PRT104233	45%	95.7%	69.5%
PAE109011	PAE109011	100%	100%	100%
PAE109011	PPU102936	84%	85.8%	99.7%
PAE109011	PSY103265	80%	95.7%	75.6%
PAE109011	SPA103434	41%	98.1%	71.7%
PAE109011	STY104366	43%	98.1%	71.5%
PAE109011	STM100178	43%	98.1%	71.5%
PAE109011	SAU801709	29%	92.2%	87.6%
PAE109011	SEP201723	28%	94.1%	90.6%
PAE109011	SHA100103	26%	57.3%	81.2%
PAE109011	SPN400854	32%	37.9%	100%
PAE109011	VCH103287	45%	98.4%	71.3%
PAE109011	YPS001876	44%	98.4%	71.9%
PAE109154	PAE109154	100%	100%	100%
PAE109190	PAE109190	100%	100%	100%
PAE109190	STY104341	39%	98.6%	96.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE109190	UUR100217	31%	37.5%	39.1%
PAE112443	BCE110618	37%	67.2%	38.7%
PAE112443	BCE108668	37%	67.0%	37.7%
PAE112443	BCE104450	46%	88.4%	95.1%
PAE112443	BCE111308	44%	91.7%	58.5%
PAE112443	BFU102584	47%	69.6%	43.2%
PAE112443	BFU100791	44%	91.7%	53.7%
PAE112443	BFU107929	45%	98.3%	56.1%
PAE112443	BMA105820	43%	95.5%	42.6%
PAE112443	EBC102287	48%	65.8%	32.1%
PAE112443	ECO200602	41%	66.0%	43.8%
PAE112443	ECO202018	37%	92.9%	54.3%
PAE112443	ECO200236	37%	95.3%	54.6%
PAE112443	MAV100794	24%	19.1%	49.0%
PAE112443	PRT100729	36%	68.4%	40.3%
PAE112443	PRT101866	33%	71.0%	42.5%
PAE112443	PAE200091	68%	89.6%	57.5%
PAE112443	PAE200095	74%	90.8%	52.8%
PAE112443	PAE202683	99%	100%	58.4%
PAE112443	PPU110472	46%	97.2%	50.8%
PAE112443	SPA102886	42%	74.1%	45.3%
PAE112443	STY104093	43%	72.2%	41.4%
PAE112443	STM103805	43%	72.2%	41.4%
PAE112443	YPS000907	38%	62.3%	33.5%
PAE112443	YPS002993	33%	99.3%	49.0%
PAE112443	YPS002986	35%	92.5%	45.4%
PAE112443	YPS002861	34%	98.3%	55.6%
PAE112443	YPS002256	38%	98.1%	41.8%
PAE200008	ABA103575	53%	99.9%	99.7%
PAE200008	BPT101206	44%	99.4%	69.7%
PAE200008	BCE113806	49%	71.6%	98.2%
PAE200008	BFU101557	47%	99.0%	98.4%
PAE200008	BMA100998	48%	99.0%	99.7%
PAE200008	CJU101159	32%	99.3%	99.4%
PAE200008	CDF104028	35%	98.7%	98.5%
PAE200008	EBC104561	51%	99.9%	100%
PAE200008	EFA100798	35%	99.6%	99.4%
PAE200008	EFM100945	34%	99.1%	99.0%
PAE200008	ECO103481	51%	99.9%	99.9%
PAE200008	HIN100903	52%	99.9%	99.9%
PAE200008	HPY100956	30%	99.4%	99.3%
PAE200008	KPN303050	52%	99.9%	99.9%
PAE200008	LPN102108	47%	76.5%	97.6%
PAE200008	LMO101909	33%	97.7%	97.5%
PAE200008	MCA101554	49%	99.0%	99.1%
PAE200008	NGO101359	44%	100%	99.9%
PAE200008	NME200487	43%	100%	99.9%
PAE200008	PMU101102	53%	99.9%	99.9%
PAE200008	PRT101496	48%	99.9%	99.9%
PAE200008	PAE200008	100%	100%	100%
PAE200008	PPU102205	78%	100%	100%
PAE200008	PSY107524	77%	100%	100%
PAE200008	SPA102021	53%	73.2%	100%
PAE200008	STY100713	51%	99.9%	99.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200008	SPN401327	35%	97.5%	97.3%
PAE200008	SPY201298	34%	97.7%	97.5%
PAE200008	VCH100020	50%	99.6%	99.6%
PAE200008	YPS003356	52%	99.9%	99.9%
PAE200016	BFR101549	32%	98.5%	99.8%
PAE200016	BPT100810	47%	100%	100%
PAE200016	CBO101759	30%	94.7%	42.1%
PAE200016	EBC103649	66%	98.7%	98.7%
PAE200016	ECO103213	65%	98.7%	98.7%
PAE200016	HIN100606	56%	99.8%	99.8%
PAE200016	KPN301224	66%	97.6%	82.8%
PAE200016	MAV100750	28%	95.8%	94.0%
PAE200016	MBV104023	29%	95.8%	93.2%
PAE200016	MTU202655	29%	95.8%	93.2%
PAE200016	NGO100419	49%	100%	99.8%
PAE200016	NME201669	49%	100%	99.8%
PAE200016	PMU101563	56%	99.8%	99.8%
PAE200016	PRT101765	64%	98.7%	98.7%
PAE200016	PAE200016	100%	100%	100%
PAE200016	PPU103624	85%	100%	100%
PAE200016	PSY106549	86%	95.4%	100%
PAE200016	PSY103526	85%	100%	100%
PAE200016	SPA104302	63%	98.7%	98.7%
PAE200016	STY101844	65%	98.7%	98.7%
PAE200016	STM102357	65%	98.7%	98.7%
PAE200016	SMU100461	26%	49.5%	100%
PAE200016	SPN400427	26%	95.2%	96.4%
PAE200016	SPY200238	22%	31.5%	64.3%
PAE200016	TPA100509	21%	48.4%	98.5%
PAE200016	VCH100043	66%	98.7%	98.7%
PAE200016	YPS002535	64%	98.7%	98.7%
PAE200028	BCE113981	32%	42.5%	70.1%
PAE200028	MAV105362	29%	44%	39.8%
PAE200028	PAE200028	100%	100%	100%
PAE200091	BFR100630	23%	90.8%	93.6%
PAE200091	BCE104450	42%	47.6%	78.1%
PAE200091	BCE111308	37%	87.9%	81.8%
PAE200091	BFU100791	38%	93.9%	86.8%
PAE200091	BFU107929	39%	94.7%	88.8%
PAE200091	BFU102584	40%	97.5%	96.7%
PAE200091	BMA105820	45%	93.3%	71.3%
PAE200091	EBC102287	42%	98.6%	73.9%
PAE200091	ECO200602	34%	80.9%	81.5%
PAE200091	ECO202018	32%	89.6%	80.0%
PAE200091	ECO200236	33%	86.2%	77.1%
PAE200091	PRT100729	30%	93.6%	84.0%
PAE200091	PRT101866	31%	97.4%	83.8%
PAE200091	PAE200095	77%	98.3%	95.0%
PAE200091	PAE202683	75%	98.1%	88.3%
PAE200091	PAE200091	100%	100%	100%
PAE200091	PPU110472	35%	92.7%	95.5%
PAE200091	SPA102886	38%	92.8%	84.1%
PAE200091	STY104093	37%	94.2%	83.8%
PAE200091	STM103805	37%	94.2%	83.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200091	YPS002993	34%	87.7%	78.6%
PAE200091	YPS002986	33%	90.4%	74%
PAE200091	YPS002861	32%	89.7%	89.1%
PAE200091	YPS002256	35%	96.4%	68.0%
PAE200095	BFR100630	22%	76.5%	93.4%
PAE200095	BCE104450	44%	55.6%	93.0%
PAE200095	BCE111308	39%	97.3%	97.2%
PAE200095	BFU102584	39%	96.2%	91.7%
PAE200095	BFU100791	40%	83.4%	86.5%
PAE200095	BFU107929	38%	96.1%	96.4%
PAE200095	BMA105820	42%	97.2%	71.3%
PAE200095	CAC102754	24%	4.9%	15.0%
PAE200095	EBC102287	41%	89.7%	70.0%
PAE200095	ECO200602	35%	70.3%	81.8%
PAE200095	ECO202018	31%	93.8%	90.1%
PAE200095	ECO200236	32%	93.8%	91.3%
PAE200095	HIN101683	20%	23.2%	75.1%
PAE200095	LMO100934	23%	16.7%	15.5%
PAE200095	MCA100120	21%	26.0%	23.6%
PAE200095	PRT100729	28%	81.4%	81.1%
PAE200095	PRT101866	29%	95.0%	78.1%
PAE200095	PAE200091	77%	95.0%	98.3%
PAE200095	PAE202683	79%	88.5%	89.5%
PAE200095	PAE200095	100%	100%	100%
PAE200095	PPU110472	39%	82.5%	87.5%
PAE200095	SPA102886	38%	96.0%	83.4%
PAE200095	STY104093	39%	94.6%	84.4%
PAE200095	STM103805	39%	94.6%	84.4%
PAE200095	SEP103164	17%	27.3%	14.3%
PAE200095	SEP102883	18%	23.1%	82.0%
PAE200095	SEP102632	20%	22.8%	70%
PAE200095	YPS002993	35%	71.1%	71.9%
PAE200095	YPS002986	35%	92.8%	74.5%
PAE200095	YPS002256	34%	98.9%	68.3%
PAE200095	YPS002861	32%	94.2%	89.2%
PAE200120	BFR103502	25%	89.9%	88.8%
PAE200120	BCE110669	32%	96.5%	92.1%
PAE200120	BMA109531	31%	96.9%	96.5%
PAE200120	MAV105850	26%	90.8%	86.4%
PAE200120	MAV106443	27%	90.8%	87.8%
PAE200120	MAV106442	29%	94.7%	86.9%
PAE200120	PAE200120	100%	100%	100%
PAE200120	PPU110993	54%	99.1%	97.4%
PAE200129	ABA100663	54%	94.7%	96.8%
PAE200129	BAN112793	44%	93.5%	99.6%
PAE200129	BAN105954	47%	93.7%	95.7%
PAE200129	BCE106496	74%	54.5%	98.5%
PAE200129	BFU103366	46%	93.9%	97.0%
PAE200129	BMA102987	68%	96.4%	94.8%
PAE200129	CDP101008	38%	93.5%	94.5%
PAE200129	CDP101013	40%	93.3%	97.6%
PAE200129	ECO102608	66%	93.5%	95.1%
PAE200129	KPN301719	65%	94.3%	95.9%
PAE200129	MAV100658	47%	92.2%	95.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200129	MBV103206	47%	87.8%	94.7%
PAE200129	MTU300544	47%	87.8%	94.7%
PAE200129	PAE200129	100%	100%	100%
PAE200129	PPU112081	70%	92.4%	98.6%
PAE200129	PSY103995	72%	91.2%	97.5%
PAE200129	SPA103001	64%	90.5%	100%
PAE200129	STY102685	67%	90.5%	92.1%
PAE200129	STM103155	67%	90.5%	92.1%
PAE200141	CJU100565	57%	82.2%	83.6%
PAE200141	CDP100699	61%	88.6%	87.2%
PAE200141	KPN105705	60%	47.3%	94.6%
PAE200141	MCA103117	66%	85.9%	69.6%
PAE200141	NGO100170	74%	89.6%	86.7%
PAE200141	PAE200141	100%	100%	100%
PAE200143	BAN102824	26%	77.2%	81.4%
PAE200143	BAN108591	28%	68.7%	87.1%
PAE200143	BAN101298	27%	87.2%	92.3%
PAE200143	BAN100879	30%	77.5%	80.1%
PAE200143	BAN106351	28%	87.2%	91.9%
PAE200143	BAN101130	28%	84.5%	86.0%
PAE200143	BCE109097	59%	35.0%	74.1%
PAE200143	BFU112499	40%	84.2%	86.6%
PAE200143	CJU100309	30%	76.3%	77.0%
PAE200143	CBO101782	26%	41.3%	47.4%
PAE200143	CDF101242	35%	93.3%	94.4%
PAE200143	CDP101180	37%	84.5%	88.8%
PAE200143	EBC102926	43%	93.0%	97.1%
PAE200143	EFA201622	39%	90.6%	91.4%
PAE200143	EFM100690	34%	91.2%	92.0%
PAE200143	ECO100641	42%	92.7%	97.4%
PAE200143	KPN304017	42%	93.0%	97.7%
PAE200143	MAV103964	28%	92.7%	95.1%
PAE200143	MBV100246	30%	92.4%	96.4%
PAE200143	MTU203347	30%	92.4%	96.4%
PAE200143	PMU101767	34%	94.2%	99.4%
PAE200143	PAE200143	100%	100%	100%
PAE200143	PPU103884	69%	97.3%	95.2%
PAE200143	PSY102601	67%	98.5%	99.7%
PAE200143	SPA102591	41%	92.7%	97.7%
PAE200143	STY101792	44%	92.7%	97.4%
PAE200143	STM100837	39%	93.9%	98.0%
PAE200143	SAU800243	34%	93.3%	98.1%
PAE200143	SEP202387	35%	83.9%	88.7%
PAE200143	SHA100447	33%	72.0%	89.5%
PAE200183	ABA100200	40%	97.8%	92.9%
PAE200183	ABA104644	43%	98.1%	93.0%
PAE200183	BFR10492	32%	95.0%	93.1%
PAE200183	BFR10093	23%	95.0%	93.3%
PAE200183	BFR10552	23%	96.3%	89.7%
PAE200183	BFR101385	24%	92.7%	91.2%
PAE200183	BFR103680	24%	95.3%	89.0%
PAE200183	BFR100208	24%	97.8%	84.9%
PAE200183	BFR10690	25%	95.5%	90.1%
PAE200183	BFR103079	26%	95.3%	89.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200183	BFR10777	26%	95.1%	89.7%
PAE200183	BFR103945	29%	93.8%	86.4%
PAE200183	BFR104288	28%	95.5%	92.7%
PAE200183	BFR101904	30%	97.6%	88.6%
PAE200183	BPT102903	25%	94.0%	94.7%
PAE200183	BCE106187	38%	99.1%	91.5%
PAE200183	BFU113203	24%	94.2%	79.5%
PAE200183	ECO103713	25%	79.1%	61.7%
PAE200183	KPN306173	37%	98.1%	88.9%
PAE200183	MAV104946	66%	97.9%	97.4%
PAE200183	MBV100918	33%	95.7%	66.5%
PAE200183	MTU200708	31%	95.7%	67.5%
PAE200183	PRT102753	23%	97.2%	90.1%
PAE200183	PAE200183	100%	100%	100%
PAE200183	PPU106617	43%	99.6%	92.6%
PAE200183	SPA102897	25%	88.4%	90.8%
PAE200183	STY101070	26%	88.6%	81.7%
PAE200183	STM100785	26%	88.6%	81.7%
PAE200217	BPT102003	33%	99.0%	98.4%
PAE200217	BFU104326	40%	97.4%	96.4%
PAE200217	KPN304984	57%	96.4%	97.0%
PAE200217	PAE200217	100%	100%	100%
PAE200217	PPU101602	83%	98.0%	99.0%
PAE200217	SPN400828	27%	62.7%	65.2%
PAE200217	SPY102499	22%	95.8%	98.3%
PAE200220	BCE104168	59%	59.6%	96.5%
PAE200220	BCE110873	59%	98.0%	94.2%
PAE200220	PAE200220	100%	100%	100%
PAE200220	PPU108861	84%	100%	100%
PAE200221	KPN101222	26%	26.7%	58.9%
PAE200221	PAE200221	100%	100%	100%
PAE200221	YPS003120	56%	97.2%	100%
PAE200232	KPN303293	29%	81.2%	82.7%
PAE200232	KPN308873	33%	90.4%	94.6%
PAE200232	PAE200232	100%	100%	100%
PAE200232	PSY105603	32%	93.9%	97.4%
PAE200264	ABA102697	63%	100%	96.4%
PAE200264	BAN111116	51%	96.9%	99.6%
PAE200264	BAN113242	55%	97.7%	97.5%
PAE200264	BPT102162	66%	99.0%	97.8%
PAE200264	BCE104300	70%	99.4%	93.8%
PAE200264	BFU101276	62%	99.4%	92.1%
PAE200264	BFU100346	66%	99.4%	100%
PAE200264	BFU109581	69%	100%	99.4%
PAE200264	BMA108572	70%	99.4%	98.2%
PAE200264	CJU100455	39%	78.1%	95.9%
PAE200264	CAC103154	32%	96.3%	96.5%
PAE200264	CBO103360	36%	94.6%	94.2%
PAE200264	CDF103906	35%	94.4%	93.8%
PAE200264	CDP100105	44%	97.1%	94.0%
PAE200264	EBC101295	57%	67.7%	100%
PAE200264	ECO102606	81%	99.6%	99.8%
PAE200264	KPN301710	83%	99.6%	99.8%
PAE200264	LMO102125	49%	99.4%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200264	MCA100475	56%	97.9%	95.0%
PAE200264	MBV101411	37%	92.1%	97.6%
PAE200264	MLP101520	35%	93.2%	98.7%
PAE200264	NGO100472	62%	93.8%	92.6%
PAE200264	NME201555	63%	93.8%	95.0%
PAE200264	PMU101536	61%	99.4%	99.0%
PAE200264	PRT101070	59%	99.6%	99.8%
PAE200264	PAE200264	100%	100%	100%
PAE200264	PPU109991	88%	99.4%	99.6%
PAE200264	PSY107494	85%	99.4%	99.6%
PAE200264	PSY102991	85%	99.4%	99.6%
PAE200264	SPA100521	71%	92.8%	98.7%
PAE200264	STY102679	80%	99.6%	99.8%
PAE200264	STM103149	80%	99.6%	99.8%
PAE200264	SEP201912	36%	95.9%	97.1%
PAE200264	SHA102393	48%	95.2%	99.8%
PAE200264	SPN202499	32%	26.9%	93.8%
PAE200264	VCH101717	56%	99.2%	98.0%
PAE200264	YPS000392	43%	98.8%	97.6%
PAE200303	BPT101584	52%	88.2%	95.5%
PAE200303	BCE105599	55%	89.6%	94.5%
PAE200303	BFU102292	55%	92.4%	88.1%
PAE200303	BMA107415	53%	89.3%	94.9%
PAE200303	EBC101151	62%	84.8%	98.8%
PAE200303	ECO100833	63%	91.7%	94.3%
PAE200303	KPN302154	61%	92.4%	95.0%
PAE200303	NGO100725	48%	93.8%	94.6%
PAE200303	NME200757	47%	93.8%	94.6%
PAE200303	PAE200303	100%	100%	100%
PAE200303	PPU102821	88%	96.2%	93.6%
PAE200303	PSY102004	83%	100%	99.0%
PAE200303	SPA102370	62%	91.7%	95.0%
PAE200303	STY102478	62%	91.7%	94.3%
PAE200303	STM102603	62%	91.7%	94.3%
PAE200303	YPS001160	63%	91.7%	94.3%
PAE200320	BCE106256	60%	99.1%	99.4%
PAE200320	PAE200320	100%	100%	100%
PAE200352	ABA101148	74%	96.6%	99.7%
PAE200352	BAN107961	38%	94.6%	95.7%
PAE200352	BAN107556	49%	98.0%	98.6%
PAE200352	BFR12455	66%	98.2%	98.7%
PAE200352	BPT102335	72%	99.7%	99.7%
PAE200352	BCE110053	80%	99.8%	90.4%
PAE200352	BFU102555	73%	96.7%	98.8%
PAE200352	BMA108067	37%	98.0%	97.9%
PAE200352	CJU100013	46%	98.0%	99.1%
PAE200352	CAC101693	44%	92.8%	94.7%
PAE200352	CBO102730	35%	95.1%	94.4%
PAE200352	CDF100406	43%	96.2%	97.6%
PAE200352	CDP100193	66%	98.2%	98.9%
PAE200352	EBC103119	73%	95.8%	100%
PAE200352	ECO103685	73%	96.7%	99.5%
PAE200352	HIN100718	75%	99.7%	99.8%
PAE200352	KPN302046	74%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200352	LMO100576	45%	98.0%	98.2%
PAE200352	MCA101145	72%	99.0%	99.2%
PAE200352	MAV103959	37%	60.9%	98.8%
PAE200352	MBV102695	39%	98.0%	96.3%
PAE200352	MLP101542	40%	98.0%	98.2%
PAE200352	MTU200188	39%	98.0%	96.3%
PAE200352	NGO100339	72%	99.8%	99.8%
PAE200352	NME201248	72%	99.8%	99.8%
PAE200352	PMU101625	77%	99.2%	99.5%
PAE200352	PRT104367	72%	100%	100%
PAE200352	PAE200352	100%	100%	100%
PAE200352	PPU102184	91%	100%	99.8%
PAE200352	PSY103562	90%	95.6%	99.3%
PAE200352	SPA102766	74%	88.9%	98.9%
PAE200352	STY102141	73%	100%	100%
PAE200352	STM101004	74%	100%	100%
PAE200352	SAU802053	44%	98.0%	98.4%
PAE200352	SEP201289	45%	98.0%	98.4%
PAE200352	SHA101345	44%	98.0%	98.4%
PAE200352	SMU101318	37%	98.7%	95.7%
PAE200352	SPN401932	37%	95.8%	94.2%
PAE200352	VCH100028	76%	100%	100%
PAE200352	YPS001655	73%	100%	100%
PAE200372	ABA102251	62%	74.7%	92.4%
PAE200372	BAN106145	44%	65.3%	98.1%
PAE200372	BAN102864	47%	65.7%	91.5%
PAE200372	BFR103244	52%	65.7%	95.0%
PAE200372	BPT103145	48%	84.8%	60.4%
PAE200372	BBU100076	36%	62.2%	98.2%
PAE200372	BCE109396	49%	76.9%	96.3%
PAE200372	BFU100592	47%	85.1%	89.7%
PAE200372	BMA103170	42%	93.4%	96.2%
PAE200372	CJU101131	40%	65.7%	97.6%
PAE200372	CPN200871	39%	62.9%	96.6%
PAE200372	CTR200202	36%	62.4%	97.2%
PAE200372	CAC103551	46%	66.2%	98.7%
PAE200372	CBO103745	46%	66.2%	98.7%
PAE200372	CDF101891	48%	65.9%	70.0%
PAE200372	CDP101168	39%	91.9%	80.0%
PAE200372	EBC104170	51%	96.5%	99.2%
PAE200372	EFA201601	39%	93.4%	96.8%
PAE200372	EFM200001	47%	64.8%	89.8%
PAE200372	ECO103387	54%	24.4%	15.3%
PAE200372	HIN100748	65%	72.3%	78.3%
PAE200372	HPY100750	47%	44.8%	69.6%
PAE200372	KPN308256	56%	92.7%	84.4%
PAE200372	LMO101591	48%	65.9%	92.1%
PAE200372	MCA101469	64%	67.3%	97.8%
PAE200372	MAV103813	41%	86.4%	91.4%
PAE200372	MBV100063	39%	67.9%	84.0%
PAE200372	MLP100992	40%	87.0%	89.1%
PAE200372	MTU202883	41%	83.7%	85.5%
PAE200372	MGE100303	35%	64.6%	85.5%
PAE200372	MPN100416	36%	64.6%	85.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200372	NGO101961	40%	68.8%	83.9%
PAE200372	NME200274	47%	94.5%	99.5%
PAE200372	PMU101519	51%	90.8%	94.8%
PAE200372	PRT100781	52%	53.0%	12.3%
PAE200372	PAE200372	100%	100%	100%
PAE200372	PPU102117	69%	99.6%	100%
PAE200372	PSY102772	66%	99.6%	99.6%
PAE200372	SPA100292	67%	52.5%	95.6%
PAE200372	STY101273	51%	96.5%	99.2%
PAE200372	SAU801235	46%	66.2%	72.8%
PAE200372	SEP201528	44%	66.2%	74.3%
PAE200372	SHA101742	44%	66.2%	74.4%
PAE200372	SMU100011	37%	93.2%	83.7%
PAE200372	SPN401122	43%	64.6%	69.4%
PAE200372	SPY200409	37%	91.9%	81.6%
PAE200372	TPA100571	34%	63.7%	98.0%
PAE200372	UUR100140	39%	65.3%	85.5%
PAE200372	VCH100146	61%	80.2%	92.1%
PAE200372	YPS000724	56%	92.1%	76.3%
PAE200377	ABA105983	46%	63.4%	68.4%
PAE200377	BFR100811	52%	49.8%	79.1%
PAE200377	BPT102427	37%	84.8%	94.2%
PAE200377	BCE107288	41%	80.2%	81.0%
PAE200377	BMA102568	41%	84.0%	80.9%
PAE200377	EBC104053	51%	86.0%	91.3%
PAE200377	ECO103138	51%	93.0%	93.0%
PAE200377	HIN100811	48%	79.4%	100%
PAE200377	KPN301886	50%	93.4%	93.8%
PAE200377	MCA100476	49%	60.1%	67.9%
PAE200377	NGO100783	36%	86.4%	95.3%
PAE200377	NME201967	36%	86.4%	95.3%
PAE200377	PMU100324	45%	94.7%	92.3%
PAE200377	PRT104291	40%	91.8%	96.6%
PAE200377	PAE200377	100%	100%	100%
PAE200377	PPU102113	76%	95.1%	97.9%
PAE200377	PSY106207	70%	93.4%	96.2%
PAE200377	SPA101398	50%	93.8%	94.6%
PAE200377	STY101521	53%	93.8%	93.8%
PAE200377	YPS002249	50%	84.0%	85.5%
PAE200400	ABA104096	39%	97.2%	98.5%
PAE200400	BAN105008	28%	94.1%	95.3%
PAE200400	BAN109895	33%	94.1%	93.2%
PAE200400	BPT102422	43%	89.8%	98.0%
PAE200400	BCE103736	45%	99.8%	99.5%
PAE200400	BFU104929	45%	99.8%	99.5%
PAE200400	BMA105735	46%	99.8%	99.5%
PAE200400	CJU101120	25%	88.4%	91.1%
PAE200400	CAC103721	30%	99.3%	99.3%
PAE200400	CBO101305	27%	98.6%	98.0%
PAE200400	CDF100578	32%	99.1%	99.3%
PAE200400	CDP100341	35%	89.6%	85.9%
PAE200400	EFA201088	31%	99.1%	98.4%
PAE200400	EFM200431	34%	96.7%	96.5%
PAE200400	HPY100262	24%	61.9%	66.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200400	LMO102149	33%	98.6%	97.9%
PAE200400	MCA100879	40%	85.8%	90%
PAE200400	MAV103353	34%	99.3%	98.1%
PAE200400	MBV100044	34%	70.9%	96.5%
PAE200400	MLP100325	33%	100%	98.8%
PAE200400	MTU201364	34%	99.3%	98.1%
PAE200400	PAE200400	100%	100%	100%
PAE200400	PPU109222	80%	99.8%	99.8%
PAE200400	PSY103720	78%	99.5%	99.5%
PAE200400	SAU801201	32%	95.7%	96.0%
PAE200400	SEP201466	33%	91.0%	91.1%
PAE200400	SHA102128	32%	88.9%	89.2%
PAE200400	SMU101043	33%	98.8%	99.1%
PAE200400	SPN401053	32%	98.8%	99.1%
PAE200400	SPY200678	33%	99.1%	99.3%
PAE200417	PAE200417	100%	100%	100%
PAE200418	ABA103824	46%	95.4%	96.7%
PAE200418	BAN111901	29%	86.7%	87.6%
PAE200418	BAN112503	30%	86.7%	87.6%
PAE200418	BFR11658	28%	87.9%	91.7%
PAE200418	BPT105316	44%	98.8%	98.8%
PAE200418	BBU100357	20%	89.6%	89.3%
PAE200418	BCE109489	44%	97.1%	92.4%
PAE200418	BFU102739	40%	97.9%	99.2%
PAE200418	BMA109753	44%	97.1%	94.9%
PAE200418	CJU100145	23%	42.1%	42.2%
PAE200418	CAC100229	33%	85.8%	85.6%
PAE200418	CBO102235	34%	88.8%	87.5%
PAE200418	CDF103179	29%	95.8%	95.6%
PAE200418	CDP100554	30%	88.3%	85.7%
PAE200418	EBC103401	43%	99.2%	99.2%
PAE200418	EFA202205	28%	86.2%	87.2%
PAE200418	EFM202604	29%	97.5%	96.9%
PAE200418	ECO102881	46%	99.2%	95.6%
PAE200418	HIN100289	44%	99.2%	98.8%
PAE200418	HPY100370	23%	77.1%	79.2%
PAE200418	KPN302104	45%	99.2%	99.2%
PAE200418	LMO101841	27%	95.8%	95.3%
PAE200418	MCA100465	43%	95%	94.7%
PAE200418	MAV108579	31%	90.8%	90.1%
PAE200418	MBV102602	30%	86.2%	81.7%
PAE200418	MLP100391	35%	61.2%	61.9%
PAE200418	MTU202336	30%	86.2%	81.7%
PAE200418	NGO101375	41%	98.8%	99.6%
PAE200418	NME200491	40%	99.2%	100%
PAE200418	PMU101868	43%	99.2%	99.2%
PAE200418	PRT104576	44%	99.2%	99.2%
PAE200418	PAE200418	100%	100%	100%
PAE200418	PPU109349	81%	99.6%	100%
PAE200418	PSY103606	78%	99.6%	100%
PAE200418	SPA102541	44%	99.2%	94.1%
PAE200418	STY104567	46%	99.2%	99.2%
PAE200418	STM100579	46%	99.2%	93.1%
PAE200418	SAU801577	27%	95%	96%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200418	SEP201048	28%	95%	94.9%
PAE200418	SHA100362	27%	95%	94.9%
PAE200418	SMU100650	25%	83.8%	85.0%
PAE200418	SPN401605	28%	86.2%	86.1%
PAE200418	SPY201527	27%	84.2%	84.7%
PAE200418	TPA100273	24%	96.2%	89.8%
PAE200418	UUR100303	22%	87.5%	89.7%
PAE200418	VCH100464	46%	99.2%	99.2%
PAE200418	YPS000221	44%	99.2%	99.2%
PAE200422	ABA100380	36%	86.9%	84.7%
PAE200422	BPT101828	29%	99.0%	87.7%
PAE200422	BCE111648	31%	99.5%	90.6%
PAE200422	BFU102154	30%	99.5%	100%
PAE200422	BFU105710	33%	97.4%	99.5%
PAE200422	BMA100207	32%	97.4%	99.5%
PAE200422	CJU100388	29%	97.4%	96.8%
PAE200422	CDP101088	34%	81.2%	89.2%
PAE200422	EBC101391	77%	92.1%	92.1%
PAE200422	ECO101029	74%	99.5%	99.5%
PAE200422	HPY101268	31%	95.3%	98.4%
PAE200422	KPN301643	32%	97.4%	86.0%
PAE200422	LPN101900	34%	95.3%	89.8%
PAE200422	LMO101787	41%	71.2%	78.4%
PAE200422	MCA101994	31%	68.6%	69.3%
PAE200422	MAV105031	35%	52.9%	59.0%
PAE200422	NGO100068	27%	99.5%	100%
PAE200422	NME201326	32%	72.8%	71.7%
PAE200422	PRT105086	63%	100%	99.5%
PAE200422	PAE200422	100%	100%	100%
PAE200422	PPU104691	60%	100%	99.5%
PAE200422	PSY103584	61%	100%	99.5%
PAE200422	SPA101096	72%	84.3%	96.4%
PAE200422	STY102481	75%	99.5%	99.5%
PAE200422	SAU802687	32%	74.3%	81.3%
PAE200422	SEP202168	32%	76.4%	83.6%
PAE200422	SHA100482	35%	71.2%	77.8%
PAE200422	VCH103263	52%	99.5%	100%
PAE200422	YPS001906	77%	99.5%	99.0%
PAE200423	BFR104914	29%	64.6%	64.2%
PAE200423	BFR104105	29%	63.9%	64.4%
PAE200423	BPT100831	30%	76.9%	63.8%
PAE200423	ECO203613	32%	83.7%	81.5%
PAE200423	KPN303823	30%	87.1%	91.9%
PAE200423	PAE200423	100%	100%	100%
PAE200423	SPA102684	30%	83.7%	88.8%
PAE200423	STY103394	30%	83.7%	88.8%
PAE200425	ABA101792	58%	98.7%	98.8%
PAE200425	BPT100257	71%	98.7%	97.5%
PAE200425	BCE114545	69%	24.0%	85.5%
PAE200425	BCE104032	64%	98.9%	97.1%
PAE200425	BFU105569	64%	98.9%	96.8%
PAE200425	BMA106830	64%	98.9%	97.1%
PAE200425	EBC103991	70%	99.7%	99.8%
PAE200425	ECO100453	70%	98.6%	98.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200425	KPN303893	70%	99.7%	99.2%
PAE200425	MCA100461	56%	99.8%	99.5%
PAE200425	NGO100607	49%	99.6%	98.5%
PAE200425	NME201818	49%	99.7%	98.6%
PAE200425	PRT104879	64%	98.6%	98.4%
PAE200425	PAE200425	100%	100%	100%
PAE200425	PPU101135	78%	99.7%	99.2%
PAE200425	PSY103933	79%	100%	100%
PAE200425	SPA101524	67%	71.3%	100%
PAE200425	STY100789	69%	99.7%	99.8%
PAE200425	STM102325	67%	98.6%	99.5%
PAE200425	YPS001789	68%	98.6%	98.3%
PAE200459	PAE200459	100%	100%	100%
PAE200459	PPU107387	44%	90.6%	92.1%
PAE200459	PSY102781	48%	35.4%	95.8%
PAE200459	VCH102532	31%	91.7%	97.5%
PAE200461	PAE200461	100%	100%	100%
PAE200461	PPU107389	65%	71.8%	100%
PAE200461	PSY102777	60%	71.8%	100%
PAE200468	BAN113291	18%	45.6%	55.8%
PAE200468	CDF104086	24%	94.7%	92.7%
PAE200468	MAV106504	25%	43.2%	36.3%
PAE200468	PAE200468	100%	100%	100%
PAE200468	PSY107961	28%	32.6%	52.5%
PAE200468	SPN401648	30%	21.1%	36.0%
PAE200471	PAE200471	100%	100%	100%
PAE200471	PPU105108	78%	99.4%	99.4%
PAE200471	PSY102765	76%	99.4%	99.4%
PAE200485	BAN101805	24%	83.6%	87.3%
PAE200485	BCE107575	54%	98.8%	94.8%
PAE200485	BFU100736	52%	98.1%	90.0%
PAE200485	BMA104037	53%	98.1%	93.4%
PAE200485	EBC101352	42%	98.5%	96.6%
PAE200485	ECO103766	42%	98.5%	96.6%
PAE200485	KPN300972	45%	98.5%	96.6%
PAE200485	PRT101378	40%	99.4%	97.3%
PAE200485	PAE200485	100%	100%	100%
PAE200485	PPU105090	80%	100%	100%
PAE200485	PSY103362	75%	100%	100%
PAE200485	SPA103893	43%	98.5%	96.6%
PAE200485	STY103453	43%	98.5%	96.6%
PAE200485	STM101489	43%	98.5%	96.6%
PAE200485	VCH100035	50%	98.5%	93.2%
PAE200485	YPS001282	46%	98.5%	96.6%
PAE200505	ABA102651	60%	99.5%	99.8%
PAE200505	ABA104246	67%	99.5%	99.8%
PAE200505	BCE106981	61%	99.3%	100%
PAE200505	BFU110929	59%	99.3%	100%
PAE200505	BMA107416	61%	99.3%	100%
PAE200505	PAE200505	100%	100%	100%
PAE200505	PPU105062	90%	100%	100%
PAE200505	PSY103320	88%	100%	100%
PAE200547	ABA100381	70%	99.2%	98.9%
PAE200547	BAN111549	51%	52.3%	92.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200547	BAN102492	50%	98.5%	96.5%
PAE200547	BFR11813	38%	98.6%	98.5%
PAE200547	BPT100911	62%	98.6%	98.4%
PAE200547	BCE113404	64%	98.6%	95.9%
PAE200547	BFU111408	60%	99.8%	98.2%
PAE200547	BMA106204	64%	98.6%	95.9%
PAE200547	CJU101551	45%	98.0%	98.1%
PAE200547	CPN200956	45%	97.6%	97.0%
PAE200547	CTR200126	45%	97.6%	96.8%
PAE200547	CAC101106	48%	98.8%	98.5%
PAE200547	CAC102328	49%	98.8%	98.5%
PAE200547	CDF103784	37%	40.9%	95.3%
PAE200547	CDP100257	44%	98.9%	95.9%
PAE200547	EBC103706	72%	99.7%	100%
PAE200547	EFA201838	50%	97.4%	98.8%
PAE200547	EFM100121	57%	24.5%	99.4%
PAE200547	ECO102870	72%	99.7%	100%
PAE200547	HIN101002	70%	99.7%	100%
PAE200547	HPY101071	42%	99.1%	98.0%
PAE200547	KPN303075	73%	99.7%	100%
PAE200547	LPN102231	73%	28.6%	99.5%
PAE200547	LPN102506	59%	95.2%	98.9%
PAE200547	LMO101346	49%	98.3%	98.5%
PAE200547	MCA100777	66%	99.4%	97.8%
PAE200547	MAV101560	43%	98.8%	96.1%
PAE200547	MBV100248	43%	98.8%	96.1%
PAE200547	MLP100366	43%	98.8%	96.1%
PAE200547	MTU201430	43%	98.8%	96.1%
PAE200547	MGE100068	33%	98.2%	98.9%
PAE200547	MPN100073	35%	98.2%	98.9%
PAE200547	NGO100398	63%	98.6%	99.4%
PAE200547	NME201529	63%	98.6%	99.4%
PAE200547	PMU101242	69%	99.7%	100%
PAE200547	PMU101638	69%	99.7%	100%
PAE200547	PRT102791	70%	99.8%	100%
PAE200547	PAE200547	100%	100%	100%
PAE200547	PPU104660	85%	100%	100%
PAE200547	PSY103014	82%	97.3%	100%
PAE200547	SPA101296	71%	99.7%	100%
PAE200547	STY104533	72%	99.7%	100%
PAE200547	STM101336	66%	99.4%	99.2%
PAE200547	SAU801342	47%	97.4%	97.6%
PAE200547	SEP202003	48%	98.3%	98.5%
PAE200547	SHA100863	42%	58.8%	98.2%
PAE200547	SMU101576	49%	98.3%	98.9%
PAE200547	SPN401839	50%	98.3%	98.9%
PAE200547	SPY201289	49%	98.3%	91.4%
PAE200547	TPA100554	44%	98.3%	98.2%
PAE200547	UUR100593	33%	97.4%	98.3%
PAE200547	VCH103347	71%	99.4%	97.4%
PAE200547	VCH100468	71%	99.7%	95.7%
PAE200547	YPS000208	72%	99.8%	100%
PAE200599	BAN105284	40%	10.7%	27.3%
PAE200599	BAN109052	30%	28.6%	65.5%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200599	BFR101263	32%	26.7%	50.4%
PAE200599	BCE110035	27%	39.6%	37.8%
PAE200599	BCE110581	43%	17.8%	93.5%
PAE200599	BCE109908	34%	8.0%	29.3%
PAE200599	BFU103000	36%	7.9%	54.8%
PAE200599	BFU110023	31%	28.5%	46.9%
PAE200599	BFU101450	35%	39.1%	81.0%
PAE200599	BFU101254	34%	39.1%	72.5%
PAE200599	BFU103011	43%	11.0%	10.4%
PAE200599	BMA108967	38%	45.2%	100%
PAE200599	CAC101277	26%	26.1%	53.3%
PAE200599	CAC101211	28%	27.2%	55.2%
PAE200599	CBO100759	26%	25.8%	53.8%
PAE200599	CDF103262	24%	26.9%	52.8%
PAE200599	CDP101464	31%	28.1%	55.2%
PAE200599	EBC104374	32%	28.2%	43.5%
PAE200599	EFA200214	30%	29.0%	64.0%
PAE200599	ECO103589	30%	28.1%	43.3%
PAE200599	KPN306163	44%	7.3%	98.2%
PAE200599	KPN303671	31%	28.6%	44.2%
PAE200599	LMO101432	34%	25.5%	57.4%
PAE200599	MAV102424	30%	26.2%	48.8%
PAE200599	MBV102813	30%	26.2%	47.6%
PAE200599	MTU200836	30%	26.2%	48%
PAE200599	PMU101339	28%	28.1%	44.0%
PAE200599	PAE200599	100%	100%	100%
PAE200599	PPU107403	60%	60.0%	99.8%
PAE200599	PSY103327	61%	85.8%	98.2%
PAE200599	STY104108	30%	28.1%	43.4%
PAE200599	SAU802392	29%	25.3%	58.4%
PAE200599	SEP200985	26%	27.7%	63.8%
PAE200599	SHA102846	28%	25.6%	57.6%
PAE200599	SMU100517	27%	29.0%	52.0%
PAE200599	SPN400343	29%	25.8%	61.9%
PAE200599	SPY201249	27%	25.5%	60.5%
PAE200641	PAE200641	100%	100%	100%
PAE200641	PSY101969	26%	73.7%	80.9%
PAE200641	PSY107333	26%	73.7%	80.9%
PAE200649	ABA100544	57%	99.7%	99.1%
PAE200649	BAN101064	37%	93.7%	60.8%
PAE200649	BAN112001	38%	93.7%	61.9%
PAE200649	BPT101673	47%	97.4%	98.0%
PAE200649	BCE110439	50%	97.1%	97.7%
PAE200649	BFU102499	48%	97.4%	96.3%
PAE200649	BMA100765	51%	97.1%	97.7%
PAE200649	CJU100315	34%	92.8%	60.0%
PAE200649	CAC101973	43%	96.0%	99.7%
PAE200649	CBO103805	25%	38.7%	31.7%
PAE200649	CDP101553	37%	92.0%	93.5%
PAE200649	EBC101419	35%	58.5%	99.0%
PAE200649	EFA202356	30%	38.4%	30.7%
PAE200649	EFM201135	28%	37.5%	30.2%
PAE200649	ECO101234	37%	95.1%	61.4%
PAE200649	HIN101356	38%	81.9%	86.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200649	HPY201197	34%	92.8%	95.2%
PAE200649	KPN301484	37%	95.1%	61.4%
PAE200649	LPN102404	39%	49.3%	92.8%
PAE200649	LMO102223	37%	95.4%	96.8%
PAE200649	MCA102436	51%	96.0%	97.1%
PAE200649	MAV103597	37%	90.3%	98.8%
PAE200649	MBV100592	39%	93.1%	97.3%
PAE200649	MLP100541	36%	95.7%	92.9%
PAE200649	MTU202158	39%	95.4%	90.8%
PAE200649	MGE100051	28%	41.5%	34.0%
PAE200649	MPN100090	24%	41.5%	34.0%
PAE200649	NGO100573	47%	96.0%	97.1%
PAE200649	NME201076	49%	95.7%	94.0%
PAE200649	PMU100581	34%	97.1%	100%
PAE200649	PRT101794	37%	94.8%	97.9%
PAE200649	PAE200649	100%	100%	100%
PAE200649	PPU107433	79%	99.4%	99.4%
PAE200649	PSY103388	80%	99.4%	98.3%
PAE200649	SPA102155	46%	51.3%	34.0%
PAE200649	STY103025	38%	95.1%	61.4%
PAE200649	STM101370	38%	95.1%	61.4%
PAE200649	SAU801369	33%	75.9%	78.9%
PAE200649	SEP202060	32%	74.8%	77.9%
PAE200649	SHA101690	35%	73.9%	75.4%
PAE200649	SMU100045	36%	95.7%	98.2%
PAE200649	SPN401633	38%	94.8%	97.6%
PAE200649	VCH101153	35%	93.1%	91.5%
PAE200649	YPS000872	38%	92.6%	95.2%
PAE200654	ABA100432	55%	97.2%	98.6%
PAE200654	BPT100695	49%	97.2%	94.1%
PAE200654	BCE104003	48%	94.9%	98.1%
PAE200654	BFU100819	49%	95.8%	99.1%
PAE200654	BMA101520	48%	94.4%	97.6%
PAE200654	LPN101162	52%	98.1%	89.5%
PAE200654	PAE200654	100%	100%	100%
PAE200654	PPU100606	82%	100%	100%
PAE200654	PSY103413	78%	100%	99.1%
PAE200714	BFR11272	26%	76.1%	61.1%
PAE200714	BCE112641	28%	61.6%	55.3%
PAE200714	LPN103222	25%	28.9%	18.0%
PAE200714	PAE200714	100%	100%	100%
PAE200714	PSY109012	25%	57.9%	46.3%
PAE200714	STY105129	24%	48.1%	58.8%
PAE200714	STM100550	26%	83.3%	88.6%
PAE200714	SAU802209	26%	68.2%	61.2%
PAE200714	SPN401981	22%	52.8%	51.8%
PAE200714	VCH102350	26%	86.8%	83.3%
PAE200787	BCE107623	44%	66.3%	98.9%
PAE200787	BFU112885	47%	93.0%	95.2%
PAE200787	PAE200787	100%	100%	100%
PAE200787	PPU101463	61%	94.0%	98.2%
PAE200787	PSY102362	62%	85.9%	99.8%
PAE200787	VCH101301	60%	96.1%	98.1%
PAE200859	PAE200859	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200859	PSY103189	79%	93.6%	100%
PAE200859	VCH101476	53%	99.7%	97.5%
PAE200875	BCE101317	44%	67.2%	92.2%
PAE200875	BCE114418	59%	98.1%	98.4%
PAE200875	BFU115652	53%	97.5%	98.1%
PAE200875	BFU101358	61%	98.1%	98.7%
PAE200875	BMA101924	59%	97.5%	97.8%
PAE200875	PAE203892	68%	98.7%	97.8%
PAE200875	PAE200875	100%	100%	100%
PAE200875	PPU111797	67%	97.5%	97.1%
PAE200875	PSY101347	64%	97.5%	97.1%
PAE200881	BCE105039	71%	98.2%	99.7%
PAE200881	BFU101273	64%	98.2%	99.7%
PAE200881	BFU101687	70%	98.2%	99.7%
PAE200881	MAV101815	55%	97.5%	95.1%
PAE200881	MAV101169	55%	97.5%	97.5%
PAE200881	PAE200881	100%	100%	100%
PAE200887	CJU100684	32%	96.5%	98.8%
PAE200887	HIN101152	35%	97.3%	99.6%
PAE200887	LPN100743	21%	87.3%	88.1%
PAE200887	LPN101937	25%	86.5%	88.7%
PAE200887	LPN103487	25%	93.4%	98.3%
PAE200887	LPN103612	26%	95.8%	100%
PAE200887	LPN102814	29%	95.4%	98.4%
PAE200887	NGO100414	32%	97.3%	96.3%
PAE200887	NME201667	33%	97.3%	96.3%
PAE200887	PMU100124	37%	97.3%	99.6%
PAE200887	PRT100749	39%	96.9%	99.6%
PAE200887	PAE200887	100%	100%	100%
PAE200887	PPU108497	70%	99.2%	98.5%
PAE200887	PSY103164	69%	97.3%	99.2%
PAE200887	SMU100993	30%	91.1%	84.8%
PAE200887	SPN401352	28%	91.1%	84.5%
PAE200887	VCH101833	53%	99.2%	98.8%
PAE200933	ABA104498	45%	97.5%	95.7%
PAE200933	BAN100143	38%	97.5%	99.2%
PAE200933	BAN104454	43%	90.4%	92.2%
PAE200933	BFR11417	28%	90.4%	91.0%
PAE200933	BFR102852	32%	90.9%	91.2%
PAE200933	BPT100784	42%	97.1%	98.0%
PAE200933	BFU109134	43%	94.4%	96.8%
PAE200933	BMA102547	44%	89.7%	93.7%
PAE200933	CAC103418	37%	97.1%	99.1%
PAE200933	CDF100493	39%	90.8%	93.1%
PAE200933	CDP100429	37%	90.4%	90.2%
PAE200933	EBC100653	50%	66.0%	100%
PAE200933	ECO102724	46%	99.5%	99.5%
PAE200933	HIN100317	46%	99.5%	99.9%
PAE200933	KPN305176	46%	99.5%	99.5%
PAE200933	LPN101615	48%	99.5%	99.7%
PAE200933	LMO101019	42%	94.4%	95.7%
PAE200933	MCA102703	42%	97.5%	91.4%
PAE200933	NGO100663	42%	85.7%	86.4%
PAE200933	NME201839	40%	97.2%	93.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE200933	PMU101865	50%	91.0%	92.6%
PAE200933	PRT105662	50%	90.5%	96.6%
PAE200933	PAE200933	100%	100%	100%
PAE200933	PPU104492	87%	100%	100%
PAE200933	PSY104524	88%	94.9%	99.7%
PAE200933	SPA106546	49%	90.4%	99.9%
PAE200933	STY103526	46%	99.5%	99.5%
PAE200933	SAU200831	40%	62.9%	99.4%
PAE200933	VCH102415	45%	99.5%	99.7%
PAE200933	YPS000132	47%	99.5%	99.5%
PAE200937	BFR101226	31%	12.2%	14.6%
PAE200937	BFU111116	35%	12.9%	7.5%
PAE200937	BFU110441	22%	93.7%	63.0%
PAE200937	BFU100854	22%	91.4%	61.9%
PAE200937	BFU105525	46%	65.2%	46.5%
PAE200937	BFU105499	21%	94.3%	63.6%
PAE200937	CAC101446	35%	8.8%	17.2%
PAE200937	EBC102060	21%	46.8%	58.0%
PAE200937	EBC103083	23%	93.9%	95.6%
PAE200937	ECO101986	21%	92.1%	90.8%
PAE200937	ECO100955	23%	93.0%	60.7%
PAE200937	KPN205236	22%	92.5%	61.4%
PAE200937	PAE203158	21%	93.4%	97.4%
PAE200937	PAE200937	100%	100%	100%
PAE200937	SPA109962	20%	93.0%	94.8%
PAE200937	STY103505	19%	93.0%	94.8%
PAE200937	STM101038	42%	9.7%	13.5%
PAE200937	SPN300328	41%	9.0%	17.8%
PAE200937	VCH100921	24%	90.3%	62.0%
PAE200960	PAE200960	100%	100%	100%
PAE200960	PPU108681	87%	100%	32.0%
PAE200960	PSY108388	88%	96.8%	100%
PAE201018	ABA103574	50%	92.7%	95.2%
PAE201018	ABA100187	53%	91.4%	94.3%
PAE201018	ABA104393	60%	90.9%	97.1%
PAE201018	EFM202262	29%	83.1%	95.8%
PAE201018	LMO100689	22%	89.1%	93.4%
PAE201018	PAE201018	100%	100%	100%
PAE201049	BAN103810	23%	96.8%	97.3%
PAE201049	BAN105027	24%	96.8%	95.7%
PAE201049	BPT104171	29%	58.6%	92.8%
PAE201049	CAC100096	36%	97.0%	98.3%
PAE201049	CDF103962	33%	13.0%	18.8%
PAE201049	EBC102485	35%	98.1%	98.2%
PAE201049	EFA201570	34%	94.1%	92.9%
PAE201049	EFM201338	38%	9.2%	11.9%
PAE201049	ECO100162	34%	98.1%	96.7%
PAE201049	HIN100092	31%	97.8%	99.2%
PAE201049	KPN302455	30%	93.2%	91.2%
PAE201049	KPN304182	34%	98.1%	93.8%
PAE201049	MBV105470	25%	84.3%	61.0%
PAE201049	MLP101005	39%	13.0%	11.6%
PAE201049	MTU201170	25%	83.8%	60.6%
PAE201049	PAE201049	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201049	PPU110875	50%	98.6%	99.2%
PAE201049	PSY105133	48%	98.6%	98.9%
PAE201049	SPA102655	34%	97.6%	100%
PAE201049	STY103841	34%	98.1%	98.2%
PAE201049	STM103214	34%	98.1%	98.2%
PAE201049	SPN400521	30%	22.4%	31.0%
PAE201049	SPY201519	35%	24.6%	30.1%
PAE201049	VCH103624	33%	97.6%	98.4%
PAE201049	YPS002528	34%	97.6%	98.1%
PAE201071	BPT100276	60%	98.8%	98.3%
PAE201071	BCE110485	61%	99.0%	73.1%
PAE201071	BFU101823	43%	75.1%	87.4%
PAE201071	BMA105366	45%	70.5%	49.6%
PAE201071	CJU100944	28%	74.8%	90.6%
PAE201071	EBC103800	61%	98.1%	96%
PAE201071	ECO103379	61%	98.1%	96%
PAE201071	KPN305392	57%	98.1%	96%
PAE201071	MBV101502	24%	34.8%	50.9%
PAE201071	MTU202080	24%	34.8%	44.8%
PAE201071	PAE201071	100%	100%	100%
PAE201071	PPU108646	72%	99.8%	99.8%
PAE201071	PSY107658	72%	99.8%	98.8%
PAE201071	SPA102828	60%	98.1%	100%
PAE201071	STY101281	61%	98.1%	96%
PAE201071	SMU100356	37%	74.6%	90.3%
PAE201071	SPN400661	35%	70.3%	82.7%
PAE201071	YPS000703	62%	98.1%	95.3%
PAE201101	BAN110183	26%	95.0%	96.7%
PAE201101	BAN101236	26%	95.0%	94.2%
PAE201101	BPT101088	47%	97.3%	97.9%
PAE201101	BBU100289	33%	96.7%	94.8%
PAE201101	BCE102065	50%	95.9%	97.9%
PAE201101	BFU109736	49%	96.4%	98.5%
PAE201101	BMA106485	49%	96.4%	98.5%
PAE201101	CJU100288	28%	97.3%	95.6%
PAE201101	CAC101627	31%	97.6%	97.6%
PAE201101	CBO102613	32%	97.6%	97.9%
PAE201101	CDF103872	31%	95.9%	91.0%
PAE201101	EBC103375	39%	63.9%	98.2%
PAE201101	ECO101904	44%	95.6%	97.6%
PAE201101	HPY100348	28%	95.3%	93.9%
PAE201101	LPN100162	50%	96.4%	99.1%
PAE201101	LMO100031	25%	94.7%	88.0%
PAE201101	MBV105615	31%	16.3%	36.9%
PAE201101	MTU302860	31%	16.3%	36.9%
PAE201101	PRT101679	46%	95.3%	97.0%
PAE201101	PAE201101	100%	100%	100%
PAE201101	PPU100917	85%	100%	100%
PAE201101	PSY104679	87%	100%	100%
PAE201101	SPA103596	43%	95.6%	97.6%
PAE201101	STY102811	44%	95.6%	97.6%
PAE201101	STM102557	44%	95.6%	97.6%
PAE201101	SAU103974	25%	37.9%	44.4%
PAE201101	TPA100396	34%	95.9%	92.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201101	VCH102099	58%	96.2%	93.1%
PAE201101	YPS001519	46%	97.0%	98.8%
PAE201114	BPT102842	31%	10.2%	14.9%
PAE201114	PAE201114	100%	100%	100%
PAE201114	PPU105635	60%	90.6%	95.8%
PAE201114	SPA101818	28%	18.1%	25.0%
PAE201213	BAN107739	26%	26.3%	26.8%
PAE201213	BAN103932	22%	65.2%	62.2%
PAE201213	BAN107109	25%	63.0%	76.8%
PAE201213	BAN100960	25%	63.0%	63.9%
PAE201213	BAN113506	24%	100%	99.7%
PAE201213	BPT100681	23%	89.5%	88.9%
PAE201213	BCE105004	25%	73.9%	67.5%
PAE201213	BMA107634	26%	95.9%	96.0%
PAE201213	BMA105016	28%	46.4%	44.5%
PAE201213	CAC102784	23%	46.4%	69.3%
PAE201213	CDF102844	22%	44.5%	41.3%
PAE201213	CDF103566	24%	50.2%	56.0%
PAE201213	CDP100362	22%	63.7%	60.3%
PAE201213	EBC101468	24%	62.8%	64.6%
PAE201213	ECO100657	25%	58.8%	60.1%
PAE201213	KPN301176	24%	62.8%	64.6%
PAE201213	LMO102179	21%	80.3%	80.7%
PAE201213	MAV102035	23%	99.8%	99.3%
PAE201213	MAV102951	25%	90.8%	89.0%
PAE201213	MBV100593	25%	90.8%	89.1%
PAE201213	MLP100532	24%	87.6%	82.3%
PAE201213	MTU202167	25%	90.8%	89.1%
PAE201213	PAE203457	27%	99.4%	99.8%
PAE201213	PAE202082	26%	100%	99.7%
PAE201213	PAE201213	100%	100%	100%
PAE201213	PPU102410	26%	95.1%	94.6%
PAE201213	PSY104352	26%	82.3%	82.1%
PAE201213	SPA101687	24%	62.8%	64.7%
PAE201213	STY101817	24%	62.8%	64.6%
PAE201213	VCH100974	24%	62.8%	64.6%
PAE201213	YPS001225	24%	58.8%	60.1%
PAE201214	PAE201214	100%	100%	100%
PAE201267	ABA101571	70%	99.7%	99.7%
PAE201267	BFR104350	27%	29.0%	20.0%
PAE201267	BCE100404	74%	99.4%	99.0%
PAE201267	BFU109424	64%	99.7%	98.4%
PAE201267	BMA105116	71%	99.4%	96.2%
PAE201267	PAE201267	100%	100%	100%
PAE201267	PPU108667	68%	99.4%	100%
PAE201269	ABA100407	25%	73.8%	76.7%
PAE201269	BAN107794	23%	22.5%	39.8%
PAE201269	BPT100464	31%	47.1%	96.0%
PAE201269	EBC101294	26%	74.7%	79.8%
PAE201269	ECO103170	27%	72.8%	77.3%
PAE201269	KPN302556	26%	71.6%	100%
PAE201269	NGO100793	28%	23.3%	40.8%
PAE201269	NME100236	27%	23.3%	79.5%
PAE201269	PAE203303	48%	94.8%	97.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201269	PAE201269	100%	100%	100%
PAE201269	PPU103463	48%	95.4%	97.9%
PAE201269	SPA106081	35%	17.7%	86.6%
PAE201269	STY101614	26%	72.8%	77.3%
PAE201269	SAU802511	20%	21.6%	23.4%
PAE201269	YPS003243	26%	73.5%	78.5%
PAE201300	MTU400006	29%	27.2%	15.1%
PAE201300	PRT104465	32%	95.1%	91.7%
PAE201300	PAE201300	100%	100%	100%
PAE201300	PPU103948	36%	94.5%	95.1%
PAE201334	BCE108299	55%	98.6%	92.7%
PAE201334	BFU109270	57%	98.6%	93.3%
PAE201334	BMA100022	56%	98.6%	93.6%
PAE201334	PAE201334	100%	100%	100%
PAE201334	PPU101491	81%	99.8%	95.9%
PAE201334	PSY105185	78%	99.8%	95.9%
PAE201357	BAN105778	52%	97.7%	94.8%
PAE201357	EFA200345	40%	92.4%	82.8%
PAE201357	LMO100185	29%	95.5%	93.3%
PAE201357	PAE201357	100%	100%	100%
PAE201357	SAU801207	39%	97.0%	95.5%
PAE201357	SEP201477	39%	97.0%	94.1%
PAE201357	SHA102134	39%	97.0%	94.8%
PAE201359	ABA100468	43%	91.2%	92.2%
PAE201359	BFU101121	37%	94.6%	93.6%
PAE201359	CTR100083	21%	62.0%	38.8%
PAE201359	CDP100085	37%	92.3%	89.9%
PAE201359	EBC100874	59%	75.8%	94.9%
PAE201359	ECO100789	63%	91.9%	92.5%
PAE201359	HIN100957	29%	53.2%	96.5%
PAE201359	KPN303560	61%	47.1%	90.9%
PAE201359	PRT102026	56%	92.3%	92.9%
PAE201359	PAE201359	100%	100%	100%
PAE201359	PPU111322	73%	99.3%	99.7%
PAE201359	PSY108044	67%	50.8%	99.3%
PAE201359	SPA101973	61%	89.6%	90.4%
PAE201359	STY102377	62%	91.9%	92.5%
PAE201359	SPN401301	25%	94.6%	91.5%
PAE201359	VCH101291	54%	91.6%	93.5%
PAE201359	YPS000331	64%	92.9%	93.6%
PAE201361	PAE202420	56%	93.5%	95.2%
PAE201361	PAE200818	88%	89.7%	91.8%
PAE201361	PAE201361	100%	100%	100%
PAE201364	ABA100603	50%	80.4%	100%
PAE201364	BFU109408	20%	83.0%	81.0%
PAE201364	NME101639	38%	37.1%	79.2%
PAE201364	PAE201364	100%	100%	100%
PAE201381	PAE201381	100%	100%	100%
PAE201397	PAE201397	100%	100%	100%
PAE201449	ABA104223	41%	90.5%	73.6%
PAE201449	BFR100551	27%	91.4%	88.3%
PAE201449	BPT105117	48%	96.2%	96%
PAE201449	BFU102990	44%	96.9%	96.8%
PAE201449	BMA108469	39%	95.0%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201449	CAC102900	41%	11.5%	34.5%
PAE201449	CDF104552	56%	5.0%	1.8%
PAE201449	CDF102075	58%	8.6%	4.6%
PAE201449	EFA202220	25%	92.6%	91.1%
PAE201449	EFA201348	28%	84.7%	67.8%
PAE201449	ECO102718	42%	90.5%	85.0%
PAE201449	HIN101592	29%	21.0%	34.9%
PAE201449	MCA101084	33%	90.9%	71.0%
PAE201449	PMU100783	37%	89.5%	86.6%
PAE201449	PRT104476	52%	83.8%	92.7%
PAE201449	PAE200535	37%	96.7%	99.1%
PAE201449	PAE201450	43%	93.1%	85.2%
PAE201449	PAE201449	100%	100%	100%
PAE201449	PSY103957	33%	38.2%	67.1%
PAE201449	SPA102216	26%	37.5%	28.9%
PAE201449	STY101380	26%	37.5%	28.6%
PAE201449	SMU101492	62%	6.7%	3.6%
PAE201449	SPY100910	67%	7.2%	19.7%
PAE201449	TPA100555	30%	96.7%	98.2%
PAE201449	YPS002265	64%	6.7%	4.7%
PAE201461	KPN207142	32%	58.4%	41.2%
PAE201461	PAE201461	100%	100%	100%
PAE201461	PPU100210	80%	98.9%	100%
PAE201461	PSY104623	80%	100%	100%
PAE201461	SPA100137	31%	58.4%	65.8%
PAE201461	SEP100718	48%	11.8%	59.0%
PAE201461	VCH102029	52%	96.2%	97.3%
PAE201492	BFU105208	57%	96.4%	98.5%
PAE201492	CBO100983	25%	31.3%	35.7%
PAE201492	KPN104425	48%	96.1%	94.7%
PAE201492	MCA103697	51%	91.3%	84.1%
PAE201492	NGO101205	55%	91.3%	86.5%
PAE201492	NME201144	57%	91.3%	86.6%
PAE201492	PAE201492	100%	100%	100%
PAE201492	PPU107183	83%	99.4%	100%
PAE201492	PSY101812	84%	99.1%	99.1%
PAE201492	VCH100528	45%	98.8%	98.2%
PAE201546	CJU101409	29%	71.8%	73.5%
PAE201546	CAC102412	28%	88.5%	31.6%
PAE201546	CBO100775	30%	87.2%	31.4%
PAE201546	CDP100802	25%	96.0%	86.7%
PAE201546	HPY100848	27%	92.5%	81.7%
PAE201546	MCA100218	35%	91.2%	74.1%
PAE201546	MAV100546	28%	47.6%	24.0%
PAE201546	MBV103199	32%	59.9%	51.7%
PAE201546	MLP101432	32%	59.9%	51.1%
PAE201546	MTU200524	32%	59.9%	51.7%
PAE201546	NGO102048	44%	91.6%	87.5%
PAE201546	NME200893	43%	91.6%	94.6%
PAE201546	PAE201546	100%	100%	100%
PAE201546	PPU107249	84%	99.1%	94.1%
PAE201546	PSY104596	81%	100%	100%
PAE201546	VCH101414	42%	93.4%	94.6%
PAE201633	ABA101353	57%	93.9%	95.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201633	BAN101555	43%	94.5%	97.9%
PAE201633	BAN105989	54%	98.7%	98.3%
PAE201633	BFR10818	56%	94.6%	97.1%
PAE201633	BPT102676	59%	95.8%	94.9%
PAE201633	BFU100454	56%	53.9%	95.1%
PAE201633	BMA100646	58%	97.1%	96.1%
PAE201633	CJU100628	55%	94.2%	96.0%
PAE201633	CAC103333	55%	94.9%	96.6%
PAE201633	CDF103879	56%	95.2%	96.9%
PAE201633	EBC100702	59%	53.9%	99.7%
PAE201633	EFA201049	58%	95.5%	99.3%
PAE201633	ECO100680	60%	95.2%	97.5%
PAE201633	KPN302573	61%	95.8%	98.1%
PAE201633	LMO102824	58%	95.8%	99.1%
PAE201633	MAV101812	59%	95.5%	95.0%
PAE201633	MBV104268	62%	95.7%	95.3%
PAE201633	MTU201019	62%	95.7%	95.2%
PAE201633	PRT102410	58%	95.2%	98.0%
PAE201633	PAE201633	100%	100%	100%
PAE201633	PPU106277	83%	95.5%	100%
PAE201633	PSY105755	82%	99.3%	99.4%
PAE201633	SPA100439	48%	92.5%	99.1%
PAE201633	STY101874	62%	16.1%	0.7%
PAE201633	SAU802076	54%	94.5%	97.2%
PAE201633	SAU800073	53%	95.1%	97.8%
PAE201633	SEP200654	53%	95.1%	97.8%
PAE201633	YPS001489	62%	95.9%	98.3%
PAE201635	ABA101349	41%	98.2%	98.9%
PAE201635	BAN104051	34%	36.7%	89.6%
PAE201635	BAN104418	35%	39.2%	90.4%
PAE201635	BFR104660	38%	36.0%	86.1%
PAE201635	BPT102680	39%	96.5%	97.9%
PAE201635	BCE105311	53%	31.1%	96.5%
PAE201635	BFU106362	36%	99.0%	96.4%
PAE201635	BMA109180	37%	95.4%	96.5%
PAE201635	CJU100629	29%	64.4%	94.2%
PAE201635	CAC102578	32%	95.3%	96%
PAE201635	CDF101510	31%	96.4%	97.2%
PAE201635	EBC100704	60%	20.3%	94.7%
PAE201635	EFA201043	31%	95.9%	96.9%
PAE201635	ECO100678	37%	99.1%	98.8%
PAE201635	KPN302576	39%	98.8%	98.4%
PAE201635	LMO102587	34%	98.4%	99.1%
PAE201635	MAV100685	34%	95.9%	97.1%
PAE201635	MBV105633	32%	96.3%	95.1%
PAE201635	MTU201017	32%	96.3%	96.3%
PAE201635	PRT102408	36%	98.9%	98.3%
PAE201635	PAE201635	100%	100%	100%
PAE201635	PPU106251	77%	99.1%	99.3%
PAE201635	PSY105757	75%	99.1%	98.8%
PAE201635	SPA101261	36%	95.7%	96.9%
PAE201635	STY101872	38%	99.1%	98.8%
PAE201635	SAU802078	25%	93.9%	95.4%
PAE201635	SEP200656	25%	96.7%	95.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201635	VCH103256	29%	49.8%	87.5%
PAE201635	YPS001482	38%	98.4%	96.8%
PAE201647	BCE113538	47%	100%	98.8%
PAE201647	BMA108377	46%	100%	70.8%
PAE201647	MAV106640	49%	98.5%	97.6%
PAE201647	PAE201647	100%	100%	100%
PAE201647	PPU108291	75%	99.4%	99.7%
PAE201647	PSY104709	72%	83.5%	99.6%
PAE201647	SEP202022	46%	98.5%	98.5%
PAE201672	ABA100715	42%	92.2%	95.4%
PAE201672	BFU104942	21%	89.5%	78.0%
PAE201672	BFU103546	25%	89.5%	77.0%
PAE201672	CJU100214	23%	71.2%	83.5%
PAE201672	CJU101149	25%	75.2%	58.3%
PAE201672	CJU100045	22%	87.6%	62.1%
PAE201672	CAC103605	28%	79.1%	98.4%
PAE201672	CBO102253	28%	77.1%	90.5%
PAE201672	PAE201672	100%	100%	100%
PAE201682	BAN112162	33%	84.4%	94.5%
PAE201682	BAN100690	35%	96.6%	93.9%
PAE201682	BCE114068	34%	48.8%	46.2%
PAE201682	BFU110729	34%	50.2%	45.9%
PAE201682	BMA109731	33%	51.7%	48.8%
PAE201682	CAC101794	25%	90.7%	80.7%
PAE201682	CDF100738	23%	90.7%	81.6%
PAE201682	EBC102624	49%	100%	99.5%
PAE201682	EFA201423	27%	83.9%	74.2%
PAE201682	EFM200476	27%	87.3%	78.0%
PAE201682	ECO104088	26%	90.7%	81.6%
PAE201682	HIN100992	38%	47.3%	45.7%
PAE201682	KPN303365	46%	91.7%	93.1%
PAE201682	MAV102060	33%	47.3%	45.6%
PAE201682	PMU101364	33%	88.8%	82.4%
PAE201682	PAE201682	100%	100%	100%
PAE201682	PSY104696	83%	96.1%	96.6%
PAE201682	SPA102204	26%	90.7%	81.6%
PAE201682	STY103805	27%	90.7%	81.6%
PAE201682	STM103607	27%	90.7%	81.6%
PAE201682	SPN401842	26%	89.8%	79.5%
PAE201682	SPY200134	24%	89.8%	79.5%
PAE201682	VCH102977	25%	96.6%	87.0%
PAE201682	YPS000930	29%	91.2%	82.3%
PAE201683	BAN105931	34%	77.3%	87.6%
PAE201683	BAN103772	33%	81.8%	88.7%
PAE201683	EBC102621	59%	98.9%	99.4%
PAE201683	KPN303367	58%	98.9%	99.4%
PAE201683	LMO102700	24%	35.9%	46.3%
PAE201683	PAE201683	100%	100%	100%
PAE201683	PPU108285	39%	97.2%	96.6%
PAE201683	PSY108358	76%	100%	100%
PAE201694	ABA103532	92%	8.7%	17.7%
PAE201694	CPN201070	29%	27.4%	38.2%
PAE201694	CBO100345	57%	11.9%	20%
PAE201694	LMO101803	51%	9.8%	7.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201694	LMO101190	37%	6.2%	6.2%
PAE201694	MLP101111	27%	42.3%	15.9%
PAE201694	PAE201694	100%	100%	100%
PAE201694	TPA100365	26%	27.4%	36.4%
PAE201697	BPT100654	28%	89.6%	65.8%
PAE201697	KPN300973	31%	23.6%	93.3%
PAE201697	MTU400863	29%	41.7%	44.7%
PAE201697	PAE201697	100%	100%	100%
PAE201697	VCH100957	26%	34.7%	33.2%
PAE201789	ABA102113	50%	92.3%	92.5%
PAE201789	EBC102941	41%	96.1%	98.0%
PAE201789	KPN303487	40%	85.5%	97.4%
PAE201789	LPN102511	47%	95.2%	93.4%
PAE201789	MCA103692	47%	98.1%	84.6%
PAE201789	MAV102620	29%	45.9%	38.9%
PAE201789	MBV103483	29%	45.9%	40.3%
PAE201789	MTU203167	29%	45.9%	40.3%
PAE201789	PAE201789	100%	100%	100%
PAE201789	PPU106435	67%	98.6%	99.5%
PAE201789	PSY101610	64%	97.6%	97.6%
PAE201789	SPA102325	40%	95.7%	91.1%
PAE201789	STY103981	40%	95.7%	96.9%
PAE201789	STM104132	40%	95.7%	91.1%
PAE201789	VCH101880	42%	95.7%	95.3%
PAE201862	ABA101047	27%	99.2%	96.2%
PAE201862	BAN105541	21%	88.4%	96.6%
PAE201862	BAN109939	23%	89.6%	87.5%
PAE201862	BPT100554	71%	100%	100%
PAE201862	BCE105757	25%	98.8%	95.1%
PAE201862	BFU115748	27%	98.0%	98.4%
PAE201862	BMA106581	26%	98.4%	79.9%
PAE201862	CJU100272	30%	90.8%	92.0%
PAE201862	CAC101989	22%	94.4%	86.7%
PAE201862	CBO100532	25%	90.0%	83.0%
PAE201862	CDF103805	25%	90.0%	79.7%
PAE201862	EBC103502	30%	95.2%	94.6%
PAE201862	EFA202342	22%	96.8%	93.6%
PAE201862	ECO100739	30%	96.0%	95.3%
PAE201862	HIN101658	26%	98.0%	98.0%
PAE201862	HPY100469	38%	95.2%	95.5%
PAE201862	KPN305282	30%	95.6%	93.8%
PAE201862	LMO102303	24%	89.6%	87.1%
PAE201862	MCA103664	25%	100%	99.6%
PAE201862	MAV103940	25%	70.5%	68.2%
PAE201862	PMU100744	28%	96.4%	95.7%
PAE201862	PRT106098	27%	92.8%	91.8%
PAE201862	PAE201862	100%	100%	100%
PAE201862	PPU110058	78%	99.6%	99.6%
PAE201862	PSY105311	78%	97.2%	96.5%
PAE201862	SPA101802	28%	95.2%	94.5%
PAE201862	STY101969	30%	95.2%	94.6%
PAE201862	STM102049	30%	95.2%	94.6%
PAE201862	SAU702154	30%	89.6%	83.8%
PAE201862	SEP200352	27%	90.4%	84.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201862	SHA101556	30%	90.4%	83.3%
PAE201862	VCH103447	28%	99.6%	97.6%
PAE201862	YPS002108	29%	94.8%	92.7%
PAE201867	ABA103715	38%	81.4%	91.7%
PAE201867	CJU101390	28%	23.7%	40.9%
PAE201867	CPN200043	24%	71.5%	65.8%
PAE201867	CTR200045	27%	71.5%	90.0%
PAE201867	ECO103248	35%	78.5%	96.0%
PAE201867	KPN308865	34%	73.1%	88.0%
PAE201867	LPN100793	29%	72.9%	77.1%
PAE201867	MAV106092	31%	20.1%	51.4%
PAE201867	PAE203103	62%	79.3%	96.0%
PAE201867	PAE201867	100%	100%	100%
PAE201867	PPU112123	35%	73.3%	89.0%
PAE201867	YPS002899	30%	72.8%	88.1%
PAE201875	ABA100500	40%	88.8%	90.6%
PAE201875	BCE108691	42%	79.7%	89.8%
PAE201875	EBC104864	37%	91.8%	98.1%
PAE201875	ECO200539	41%	86.9%	87.8%
PAE201875	KPN203259	36%	89.9%	91.5%
PAE201875	LPN103614	37%	94.9%	99.1%
PAE201875	PRT103866	36%	86.2%	98.4%
PAE201875	PAE201875	100%	100%	100%
PAE201875	PPU104158	40%	89.2%	89.9%
PAE201875	SPA103678	34%	69.8%	94.4%
PAE201875	STY102615	39%	92.1%	93.3%
PAE201875	STM102511	39%	92.1%	92.3%
PAE201875	VCH103799	36%	95.3%	99.0%
PAE201916	BPT100584	59%	98.7%	96.5%
PAE201916	MBV100692	29%	29.8%	35.8%
PAE201916	MTU203452	29%	29.8%	35.8%
PAE201916	PAE201916	100%	100%	100%
PAE201949	BCE111412	37%	12.1%	15.9%
PAE201949	BFU100745	41%	86.2%	100%
PAE201949	NGO101993	23%	43.7%	53.8%
PAE201949	NME200998	24%	43.7%	53.6%
PAE201949	PAE201949	100%	100%	100%
PAE201949	PPU105633	63%	100%	100%
PAE201962	BAN100882	53%	87.9%	94.7%
PAE201962	BAN109532	49%	98.1%	63.2%
PAE201962	BFR10176	43%	99.0%	43.8%
PAE201962	BPT100336	66%	98.7%	39.5%
PAE201962	BBU100741	44%	99.4%	41.9%
PAE201962	BCE107353	67%	98.7%	42.0%
PAE201962	BFU101573	67%	98.7%	44.0%
PAE201962	BMA103267	67%	98.7%	44.0%
PAE201962	CJU100394	41%	98.5%	44%
PAE201962	CPN200741	42%	97.7%	42.5%
PAE201962	CTR200617	44%	97.5%	42.4%
PAE201962	CAC102468	47%	99.0%	44.6%
PAE201962	CBO103433	45%	99.0%	44.7%
PAE201962	CDF100968	43%	99.0%	43.6%
PAE201962	EBC102343	73%	98.7%	43.9%
PAE201962	EFA200654	47%	99.0%	43.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE201962	EFM100463	47%	99.0%	48.0%
PAE201962	ECO100796	74%	98.7%	44.0%
PAE201962	HPY100840	44%	98.3%	43.7%
PAE201962	KPN302739	73%	98.7%	44.0%
PAE201962	LMO100778	47%	99.0%	44.1%
PAE201962	NGO100212	65%	98.7%	43.0%
PAE201962	NME201287	65%	98.7%	43.0%
PAE201962	PRT100022	72%	98.7%	43.8%
PAE201962	PAE201962	100%	100%	100%
PAE201962	PPU110733	87%	98.7%	44.1%
PAE201962	PSY102530	86%	99.6%	99.6%
PAE201962	SPA102072	72%	98.7%	43.9%
PAE201962	STY102394	73%	98.7%	43.9%
PAE201962	STM102165	73%	98.7%	44.0%
PAE201962	SAU801392	46%	99.0%	44.1%
PAE201962	SEP202098	46%	99.0%	43.9%
PAE201962	SHA100965	46%	99.0%	44.0%
PAE201962	SMU101414	48%	99.0%	43.6%
PAE201962	SPN402032	49%	99.0%	43.5%
PAE201962	SPY201692	49%	99.0%	43.6%
PAE201962	TPA100829	41%	98.1%	41.5%
PAE201962	VCH101496	72%	98.5%	43.8%
PAE201962	YPS002248	74%	98.7%	43.9%
PAE201984	ABA101046	59%	100%	100%
PAE201984	BCE110476	54%	100%	100%
PAE201984	BFU114715	58%	100%	100%
PAE201984	KPN303125	62%	100%	98.4%
PAE201984	PAE201984	100%	100%	100%
PAE201984	PPU105114	73%	100%	100%
PAE201984	PSY103348	73%	100%	100%
PAE202012	ABA104264	69%	99.4%	99.4%
PAE202012	BAN109082	33%	89.3%	93.8%
PAE202012	BAN113157	34%	91.6%	94.3%
PAE202012	BPT100027	69%	100%	99.6%
PAE202012	BCE102114	66%	83.4%	80.1%
PAE202012	BFU108040	55%	100%	100%
PAE202012	BFU100939	70%	100%	100%
PAE202012	BMA109362	69%	100%	100%
PAE202012	CDP101007	32%	94.6%	96.9%
PAE202012	LPN103200	72%	39.1%	100%
PAE202012	MAV101872	53%	100%	100%
PAE202012	MBV101169	68%	92.9%	94.0%
PAE202012	MLP100443	33%	94.8%	94.0%
PAE202012	MTU202465	69%	92.9%	94.0%
PAE202012	PAE202012	100%	100%	100%
PAE202012	PPU109611	85%	100%	100%
PAE202012	PSY102524	84%	100%	100%
PAE202015	BFU102868	24%	74.4%	32.7%
PAE202015	ECO104222	31%	81.9%	75.9%
PAE202015	MAV106780	29%	32.0%	11.0%
PAE202015	PAE200326	53%	99.4%	95.6%
PAE202015	PAE202015	100%	100%	100%
PAE202015	PPU102698	49%	94.8%	97%
PAE202015	PSY101958	50%	97.4%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202015	SPA109618	35%	94.5%	95.3%
PAE202015	SPA103949	33%	95.5%	96.2%
PAE202015	STY104382	35%	94.5%	95.4%
PAE202015	STY102402	33%	95.5%	91.4%
PAE202015	STM103048	33%	95.5%	91.4%
PAE202034	BFU100470	32%	32.4%	23.6%
PAE202034	BFU100218	37%	22.5%	16.3%
PAE202034	BFU108912	35%	22.5%	11.6%
PAE202034	PAE202034	100%	100%	100%
PAE202081	BFU112826	41%	99.5%	98.4%
PAE202081	PRT103731	35%	13.4%	21.9%
PAE202081	PAE202081	100%	100%	100%
PAE202099	BAN102239	27%	84.5%	89.2%
PAE202099	BAN102229	26%	84.5%	83.6%
PAE202099	BPT101798	25%	92.6%	92.2%
PAE202099	BMA107036	22%	99.3%	97.4%
PAE202099	CPN201045	22%	93.2%	92.8%
PAE202099	HIN100668	23%	74.7%	77.0%
PAE202099	KPN104728	40%	96.3%	90.5%
PAE202099	PAE202099	100%	100%	100%
PAE202099	SPA107137	37%	96.3%	93.8%
PAE202099	STY102110	37%	96.3%	93.8%
PAE202099	STM101956	37%	96.3%	93.8%
PAE202099	SAU502913	21%	66.2%	30.3%
PAE202107	BFU112376	30%	65.8%	23.6%
PAE202107	PAE202107	100%	100%	100%
PAE202126	BCE102426	31%	94.0%	82.2%
PAE202126	BFU103301	27%	91.8%	95.7%
PAE202126	BFU103226	34%	77.6%	85.5%
PAE202126	BFU103244	31%	93.4%	92.5%
PAE202126	EBC101693	34%	91.8%	93.3%
PAE202126	ECO201353	41%	91.8%	93.5%
PAE202126	KPN304723	31%	83.1%	91.9%
PAE202126	PRT103407	34%	95.1%	95.5%
PAE202126	PAE202126	100%	100%	100%
PAE202126	PSY103442	32%	81.4%	95%
PAE202126	SPA102574	32%	95.6%	96.1%
PAE202126	STY104474	32%	95.6%	96.1%
PAE202126	STM101008	27%	94.0%	91.9%
PAE202126	YPS002444	40%	85.2%	86.4%
PAE202126	YPS001577	43%	94.5%	97.7%
PAE202145	ABA103947	60%	98.4%	100%
PAE202145	BAN112207	48%	80.0%	84.9%
PAE202145	BAN103415	54%	95.5%	99.8%
PAE202145	BFU104726	62%	100%	100%
PAE202145	EBC102119	59%	99.2%	94.4%
PAE202145	ECO101700	59%	96.8%	91.9%
PAE202145	KPN302795	60%	96.8%	92.0%
PAE202145	MAV104721	54%	99.6%	99.0%
PAE202145	PAE202145	100%	100%	100%
PAE202145	PPU100583	66%	99.0%	98.7%
PAE202145	PSY101358	66%	80.3%	100%
PAE202145	SPA101365	60%	92.9%	99.4%
PAE202145	STY101168	59%	96.9%	92.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202179	BPT100861	26%	81.7%	66.8%
PAE202179	BCE112269	24%	76.9%	76.5%
PAE202179	BFU106609	24%	74.5%	72.4%
PAE202179	BMA107163	23%	76.9%	76.5%
PAE202179	CDP101257	29%	75.3%	77.7%
PAE202179	EBC101642	26%	74.3%	75.7%
PAE202179	ECO100571	26%	74.3%	75.3%
PAE202179	KPN304370	25%	74.3%	75.5%
PAE202179	LPN100959	24%	75.3%	74.2%
PAE202179	MAV107016	31%	94.7%	91.0%
PAE202179	MBV102463	32%	73.2%	77.5%
PAE202179	MTU200432	32%	73.5%	73.4%
PAE202179	PAE202179	100%	100%	100%
PAE202179	PPU108029	43%	93.4%	96.7%
PAE202179	SPA102297	25%	73.5%	75.3%
PAE202179	STY101350	25%	74.3%	75.3%
PAE202194	ABA101377	44%	95.4%	92.1%
PAE202194	ABA101956	47%	96.9%	94.5%
PAE202194	BAN109383	33%	41.8%	38.4%
PAE202194	BAN109065	33%	41.8%	64.3%
PAE202194	BPT101145	27%	93.8%	91.3%
PAE202194	BCE107854	56%	96.9%	97.9%
PAE202194	BMA109618	50%	95.9%	93.5%
PAE202194	EBC100765	47%	92.3%	90.5%
PAE202194	ECO101619	43%	98.5%	96.5%
PAE202194	KPN300457	48%	87.1%	97.1%
PAE202194	PAE202194	100%	100%	100%
PAE202194	PPU100577	74%	99.0%	97.5%
PAE202194	PSY102130	45%	54.6%	99.0%
PAE202194	SPA102312	48%	26.8%	92.9%
PAE202194	STY100603	43%	98.5%	96.5%
PAE202194	SHA103035	28%	36.1%	39.0%
PAE202194	YPS002939	44%	96.4%	94.5%
PAE202195	ABA101379	72%	33.3%	82.7%
PAE202195	BFU101504	48%	97.7%	97.9%
PAE202195	BMA105219	67%	99.7%	99.4%
PAE202195	EBC101789	79%	75.7%	98.9%
PAE202195	ECO101420	73%	99.7%	91.5%
PAE202195	KPN304015	72%	99.7%	99.7%
PAE202195	PAE202195	100%	100%	100%
PAE202195	PPU103733	81%	99.7%	100%
PAE202195	SPA100754	73%	99.7%	98.3%
PAE202195	STY103772	73%	100%	100%
PAE202195	SAU802187	44%	96.8%	98.8%
PAE202220	PAE202220	100%	100%	100%
PAE202225	PAE202586	43%	97.5%	93.9%
PAE202225	PAE202225	100%	100%	100%
PAE202225	YPS001534	29%	30.5%	34.0%
PAE202311	CAC101792	25%	53.4%	38.4%
PAE202311	LMO101825	26%	71.6%	20.4%
PAE202311	PAE202311	100%	100%	100%
PAE202311	PSY100258	57%	98.5%	100%
PAE202350	BAN101197	30%	82.4%	85.6%
PAE202350	BAN112395	31%	82.4%	85.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202350	EFA201725	33%	39.2%	53.2%
PAE202350	EFM200136	34%	39.2%	53.9%
PAE202350	MAV103895	34%	52%	64.3%
PAE202350	MBV102482	32%	52%	63.4%
PAE202350	MLP100054	33%	52%	64.6%
PAE202350	MTU203787	32%	52%	63.9%
PAE202350	MGE100299	35%	29.6%	38.9%
PAE202350	PAE202350	100%	100%	100%
PAE202350	PSY104146	68%	96%	93.2%
PAE202350	SAU800959	32%	90.1%	90.9%
PAE202350	SEP200166	33%	81.1%	69.6%
PAE202350	SHA101570	34%	81.1%	75.2%
PAE202350	SMU101565	32%	38.7%	52.8%
PAE202364	ABA100352	55%	96.0%	96.3%
PAE202364	BCE102797	56%	99.0%	98.8%
PAE202364	KPN105149	49%	25.3%	97.6%
PAE202364	MAV108739	30%	14.8%	21.8%
PAE202364	PAE202364	100%	100%	100%
PAE202364	PPU106161	59%	98.6%	98.4%
PAE202364	UUR100480	29%	15.6%	12.2%
PAE202390	PAE202390	100%	100%	100%
PAE202390	PPU103106	61%	96.7%	99.2%
PAE202390	PSY102936	62%	98.3%	98.9%
PAE202390	STM100417	28%	13.1%	18.1%
PAE202396	ABA100599	34%	86.9%	99.0%
PAE202396	BPT102644	38%	85.3%	94.6%
PAE202396	ECO101075	34%	86.4%	96.3%
PAE202396	NGO101542	31%	83.4%	95.6%
PAE202396	NME200532	31%	83.4%	95.6%
PAE202396	PAE202396	100%	100%	100%
PAE202396	PSY102921	35%	85.0%	93.0%
PAE202396	PSY102918	36%	96.6%	98.7%
PAE202396	SPA101792	31%	50.9%	96.1%
PAE202396	YPS002953	36%	82.9%	90.4%
PAE202397	ABA102315	29%	2.7%	82.1%
PAE202397	BAN113579	34%	35.6%	98.0%
PAE202397	BAN105122	25%	84.9%	77.9%
PAE202397	BAN101449	37%	19.4%	68.1%
PAE202397	BAN110486	35%	85.9%	42.9%
PAE202397	BFR10464	28%	65.0%	91.7%
PAE202397	BCE107702	32%	9.1%	18.4%
PAE202397	BCE107762	35%	67.6%	46.1%
PAE202397	BFU114880	36%	67.6%	18.4%
PAE202397	BFU114207	39%	88.6%	66.3%
PAE202397	BMA100299	27%	8.0%	51.2%
PAE202397	BMA107341	34%	37.7%	98.7%
PAE202397	BMA109153	31%	85.2%	99.5%
PAE202397	BMA103931	38%	87.9%	64.2%
PAE202397	BMA108540	38%	91.0%	74.3%
PAE202397	CJU101231	25%	63.2%	94.4%
PAE202397	CBO101685	27%	20.4%	88.4%
PAE202397	EBC101709	30%	1.3%	96.1%
PAE202397	EFA200814	30%	23.0%	97.0%
PAE202397	EFM201145	29%	63.9%	97.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202397	KPN300374	29%	37.5%	89.9%
PAE202397	KPN304828	30%	0.6%	82.8%
PAE202397	LPN101088	34%	16.8%	45.0%
PAE202397	LMO100987	28%	63.8%	97.6%
PAE202397	MBV104734	35%	18.5%	59.3%
PAE202397	MTU200101	35%	18.5%	59.3%
PAE202397	PRT103983	23%	24.9%	87.1%
PAE202397	PAE202397	100%	100%	100%
PAE202397	PPU103141	44%	84.9%	46.0%
PAE202397	PPU101236	50%	87.5%	3.0%
PAE202397	PSY100319	49%	47.3%	28.3%
PAE202397	PSY107058	41%	8.9%	89.5%
PAE202397	PSY107996	36%	6.9%	96.8%
PAE202397	PSY102915	36%	43.9%	88.5%
PAE202397	PSY108115	44%	84.9%	81.6%
PAE202397	PSY106622	37%	86.4%	49.3%
PAE202397	PSY104787	39%	88.5%	1.3%
PAE202397	PSY102909	42%	60.5%	99.4%
PAE202397	PSY102912	56%	88.2%	1.1%
PAE202397	SPA100043	31%	29.7%	98.8%
PAE202397	SAU800179	31%	25.6%	68.3%
PAE202397	SEP202199	32%	69.9%	26.4%
PAE202397	SMU100385	25%	1.1%	97.4%
PAE202397	SMU100382	27%	86.4%	49.1%
PAE202397	SPN302037	26%	23.0%	96.7%
PAE202397	SPY201011	27%	62.9%	93.6%
PAE202400	ABA102315	31%	48.6%	74.4%
PAE202400	BAN113579	32%	16.8%	97.5%
PAE202400	BAN101449	33%	40.0%	69.1%
PAE202400	BAN105122	26%	26.3%	24.3%
PAE202400	BAN110486	34%	67.3%	38.2%
PAE202400	BFR10464	29%	89.0%	96.5%
PAE202400	BCE107762	38%	53.2%	97.9%
PAE202400	BCE107702	40%	60.8%	32.5%
PAE202400	BFU114207	35%	85.6%	87.0%
PAE202400	BFU114880	38%	11.5%	28.5%
PAE202400	BMA107816	30%	26.0%	80.8%
PAE202400	BMA107341	41%	31.9%	98.5%
PAE202400	BMA103931	35%	21.2%	99.0%
PAE202400	BMA108540	40%	2.4%	10.2%
PAE202400	BMA109153	35%	0.8%	99.5%
PAE202400	CJU101231	27%	38.1%	96.4%
PAE202400	CBO101685	25%	38.8%	88.9%
PAE202400	EBC101709	33%	25.1%	24%
PAE202400	EFA200814	30%	38.1%	96.4%
PAE202400	EFM201145	28%	11.3%	93.7%
PAE202400	KPN300374	54%	80.1%	62.0%
PAE202400	KPN304828	33%	24.0%	20.2%
PAE202400	LPN101088	40%	40.9%	44.2%
PAE202400	LMO100987	32%	38.0%	96.3%
PAE202400	MBV104734	35%	58.3%	17.3%
PAE202400	MTU200101	35%	58.3%	17.3%
PAE202400	PRT103983	25%	37.9%	93.5%
PAE202400	PAE202400	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202400	PPU103141	39%	68.8%	45.7%
PAE202400	PPU101236	47%	39.5%	4.7%
PAE202400	PSY100319	53%	17.5%	47.0%
PAE202400	PSY107996	37%	53.1%	99.9%
PAE202400	PSY107058	51%	94.2%	86.4%
PAE202400	PSY108115	43%	31.7%	97.8%
PAE202400	PSY106622	39%	69.5%	49.3%
PAE202400	PSY104787	38%	69.3%	61.0%
PAE202400	PSY102909	44%	87.5%	58.4%
PAE202400	PSY102912	47%	3.8%	26.3%
PAE202400	PSY102915	46%	0.1%	88.5%
PAE202400	SPA100043	47%	83.7%	86.4%
PAE202400	SAU800179	30%	10.7%	65.6%
PAE202400	SEP202199	31%	10.7%	65.2%
PAE202400	SMU100382	24%	68.9%	47.5%
PAE202400	SMU100385	25%	28.6%	98.7%
PAE202400	SPN302037	26%	11.0%	96.1%
PAE202400	SPY201011	27%	11.3%	93.6%
PAE202409	ABA102876	27%	86.2%	89.8%
PAE202409	PAE202409	100%	100%	100%
PAE202409	PPU104342	65%	92.5%	98.3%
PAE202409	SMU100397	26%	87.0%	93.3%
PAE202422	CDF101294	27%	74.6%	55.7%
PAE202422	CDP100588	34%	95.1%	80.5%
PAE202422	MBV102622	33%	0.6%	92.3%
PAE202422	MLP100098	35%	95.5%	72.4%
PAE202422	MTU202344	33%	0.8%	97.7%
PAE202422	PAE202422	100%	100%	100%
PAE202422	PPU105003	70%	100%	100%
PAE202422	PSY102925	72%	33.1%	98.8%
PAE202422	SHA100310	28%	13.7%	94.8%
PAE202422	VCH101555	28%	74.4%	80.9%
PAE202459	BFR10882	32%	62.3%	29.0%
PAE202459	BMA108999	26%	78.6%	40.2%
PAE202459	BMA101805	33%	45.3%	45.8%
PAE202459	CAC102639	26%	80.5%	67.5%
PAE202459	CBO101057	25%	65.4%	42.5%
PAE202459	CDF103411	31%	87.4%	48.0%
PAE202459	EFA200376	23%	82.4%	45.5%
PAE202459	EFM201063	16%	54.1%	62.4%
PAE202459	ECO103932	28%	64.8%	23.3%
PAE202459	LMO100095	26%	74.8%	32.5%
PAE202459	PAE202459	100%	100%	100%
PAE202468	BCE103286	68%	87.0%	55.8%
PAE202468	BFU102051	60%	97.7%	98.9%
PAE202468	CBO103586	23%	63.5%	58.5%
PAE202468	ECO203042	60%	97.7%	99.1%
PAE202468	PAE202468	100%	100%	100%
PAE202468	PSY101139	27%	28.9%	52.8%
PAE202468	SPA101358	60%	98.0%	98.6%
PAE202468	STY104243	60%	98.0%	98.6%
PAE202486	BCE110592	41%	87.0%	79.5%
PAE202486	BFU102678	41%	90.9%	85.8%
PAE202486	BMA105923	42%	92.9%	73.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202486	CDF102197	37%	35.8%	28.5%
PAE202486	CDP102565	34%	55.9%	49.8%
PAE202486	EBC102081	38%	87.4%	92.7%
PAE202486	KPN306992	45%	94.1%	84.1%
PAE202486	PAE202486	100%	100%	100%
PAE202492	ABA105864	67%	99.1%	98.9%
PAE202492	BFR10769	46%	98.2%	99.1%
PAE202492	BCE103998	64%	97.9%	97.3%
PAE202492	BFU112051	65%	98.0%	47.1%
PAE202492	BMA105073	64%	97.9%	97.7%
PAE202492	CJU100334	40%	98.7%	99.4%
PAE202492	EBC100804	59%	93.0%	57.0%
PAE202492	KPN300113	69%	4.0%	89.4%
PAE202492	KPN300333	55%	13.4%	83.1%
PAE202492	KPN304436	61%	98.6%	99.2%
PAE202492	LPN101626	50%	98.0%	98.9%
PAE202492	PAE202492	100%	100%	100%
PAE202492	PPU105312	88%	100%	100%
PAE202492	PSY102097	85%	100%	99.7%
PAE202492	YPS001065	41%	99.1%	99.7%
PAE202494	BAN106081	37%	25.1%	25%
PAE202494	BAN104525	19%	93.6%	97.7%
PAE202494	BCE101872	35%	94.2%	79.5%
PAE202494	KPN307509	32%	93.0%	87.8%
PAE202494	PAE202494	100%	100%	100%
PAE202495	ABA103701	44%	80.1%	81.6%
PAE202495	BPT102193	65%	97.3%	97.6%
PAE202495	BFU103699	47%	89.0%	91.5%
PAE202495	PAE202495	100%	100%	100%
PAE202495	PSY105245	38%	90.1%	89.7%
PAE202495	SPA100981	35%	83.9%	96.4%
PAE202495	STY100630	37%	90.1%	83.3%
PAE202582	ABA100413	53%	96.2%	95.4%
PAE202582	BAN105779	33%	89.2%	92.2%
PAE202582	BAN111288	37%	88.2%	90.1%
PAE202582	BPT102887	52%	95.2%	95.3%
PAE202582	BBU100720	29%	91.4%	76.1%
PAE202582	BCE105319	48%	95.7%	95.4%
PAE202582	BFU105259	47%	95.7%	82.7%
PAE202582	BMA108976	47%	95.7%	94.9%
PAE202582	CJU100993	38%	92.5%	93.3%
PAE202582	CPN200895	33%	75.3%	69.4%
PAE202582	CTR200175	31%	75.3%	70.8%
PAE202582	CAC102273	32%	93.0%	93.1%
PAE202582	CAC102538	41%	75.3%	67.5%
PAE202582	CBO100903	40%	76.3%	70.6%
PAE202582	CDF100867	40%	92.5%	92.3%
PAE202582	CDP100421	31%	93.5%	87.2%
PAE202582	EBC100108	62%	57.0%	97.2%
PAE202582	EFA201530	37%	91.9%	93.8%
PAE202582	EFM200252	38%	95.2%	95.4%
PAE202582	ECO101877	60%	93.5%	94.5%
PAE202582	HIN100119	56%	93.5%	93.0%
PAE202582	HPY100999	36%	91.9%	84%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202582	KPN304657	59%	88.2%	98.2%
PAE202582	LPN102252	58%	95.7%	95.2%
PAE202582	LMO100034	40%	91.9%	93.8%
PAE202582	MCA101550	48%	95.7%	91.3%
PAE202582	MAV100075	39%	72.6%	66.8%
PAE202582	MBV105271	36%	93.5%	81.3%
PAE202582	MLP100600	34%	91.9%	88.1%
PAE202582	MTU202709	36%	93.5%	81.3%
PAE202582	MGE100116	27%	81.2%	66.5%
PAE202582	MPN100579	29%	73.1%	66.1%
PAE202582	NGO101386	55%	96.2%	98.4%
PAE202582	NME201638	55%	96.2%	98.4%
PAE202582	PMU100856	60%	93.5%	93.0%
PAE202582	PRT100160	60%	80.1%	96.1%
PAE202582	PAE202582	100%	100%	100%
PAE202582	PPU104936	83%	83.9%	100%
PAE202582	PSY104985	83%	100%	98.9%
PAE202582	SPA102741	56%	93.5%	95.0%
PAE202582	STY102753	58%	93.5%	94.5%
PAE202582	SAU801283	40%	91.9%	94.3%
PAE202582	SEP201586	37%	91.9%	93.8%
PAE202582	SHA100110	38%	91.9%	94.8%
PAE202582	SMU101390	42%	93.5%	92.2%
PAE202582	SPN402024	41%	90.9%	89.0%
PAE202582	SPY201679	39%	93.5%	92.2%
PAE202582	TPA100253	30%	96.2%	91.2%
PAE202582	UUR100366	29%	92.5%	85.3%
PAE202582	VCH101196	56%	93.5%	93.0%
PAE202582	YPS001664	58%	96.2%	97.3%
PAE202587	BFU103555	24%	96.3%	93.1%
PAE202587	BFU103577	28%	97.3%	94.1%
PAE202587	BFU106533	30%	95.3%	90.4%
PAE202587	KPN202668	23%	90.8%	79.1%
PAE202587	NME301279	24%	78.5%	68.6%
PAE202587	PAE202089	61%	95.5%	89.9%
PAE202587	PAE202587	100%	100%	100%
PAE202592	BFU112442	57%	16.3%	74.3%
PAE202592	BFU103667	59%	98.1%	95.5%
PAE202592	MLP101589	30%	33.5%	62.2%
PAE202592	PAE202592	100%	100%	100%
PAE202592	PPU110760	73%	97.8%	97.5%
PAE202592	PSY101651	68%	77.4%	100%
PAE202592	SMU102515	25%	75.5%	71.6%
PAE202608	BFU106386	62%	97.8%	90.1%
PAE202608	CDP100182	48%	87.0%	78.6%
PAE202608	EBC104078	62%	96.6%	98.8%
PAE202608	ECO103035	61%	96.6%	98.8%
PAE202608	KPN301953	61%	96.9%	99.1%
PAE202608	LPN102216	56%	94.4%	97.2%
PAE202608	MAV105413	46%	89.8%	87.1%
PAE202608	PAE202608	100%	100%	100%
PAE202608	PPU110118	72%	99.1%	99.4%
PAE202608	PSY104168	71%	99.7%	100%
PAE202608	SPA101877	60%	96.6%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202608	STY100886	60%	96.6%	98.8%
PAE202608	STM101329	60%	96.6%	98.8%
PAE202608	SMU100793	47%	68.5%	97.4%
PAE202608	VCH101077	59%	97.2%	99.7%
PAE202632	ABA105208	75%	99.8%	99.4%
PAE202632	BAN110475	26%	82.1%	79.3%
PAE202632	BAN106274	25%	95.1%	93.5%
PAE202632	BPT102898	25%	95.3%	92.0%
PAE202632	BCE102844	82%	99.8%	100%
PAE202632	BFU107049	27%	95.9%	94.2%
PAE202632	BMA107778	28%	85.1%	82.3%
PAE202632	EBC103829	27%	92.8%	91.7%
PAE202632	ECO103909	26%	92.7%	91.5%
PAE202632	KPN302602	27%	92.7%	90.4%
PAE202632	MCA101558	71%	99.2%	99.2%
PAE202632	MAV101764	25%	87.6%	84.7%
PAE202632	MBV101390	26%	81.7%	79.7%
PAE202632	MLP101209	31%	56.1%	50.1%
PAE202632	MTU200465	26%	81.7%	79.7%
PAE202632	PRT102444	26%	92.7%	91.3%
PAE202632	PAE202632	100%	100%	100%
PAE202632	PPU104938	28%	86.8%	83.4%
PAE202632	PSY104072	29%	82.3%	79.4%
PAE202632	SPA103847	27%	73.8%	85.1%
PAE202632	STY101883	26%	94.7%	94.0%
PAE202632	STM102120	26%	94.7%	94.0%
PAE202632	VCH100723	26%	81.7%	79.6%
PAE202632	YPS000409	27%	84.2%	81.6%
PAE202638	ABA101710	56%	92.8%	91.1%
PAE202638	BPT102602	35%	81.3%	83.5%
PAE202638	BCE111071	36%	71.1%	75.2%
PAE202638	BFU101050	33%	71.1%	75.2%
PAE202638	BMA106256	35%	71.1%	75.2%
PAE202638	CBO103706	33%	91.6%	95.6%
PAE202638	CDF101135	36%	78.9%	79.4%
PAE202638	EBC104017	70%	99.4%	99.4%
PAE202638	EFA202362	22%	71.1%	72.8%
PAE202638	ECO102243	69%	99.4%	99.4%
PAE202638	KPN303098	69%	99.4%	99.4%
PAE202638	LPN100393	39%	86.7%	87.4%
PAE202638	MCA101205	57%	92.8%	91.1%
PAE202638	MAV105025	31%	83.7%	55.2%
PAE202638	MBV105191	27%	81.9%	54.0%
PAE202638	MTU203106	27%	81.9%	54.0%
PAE202638	NGO100658	32%	81.3%	87.3%
PAE202638	NME200015	32%	81.3%	87.3%
PAE202638	PRT105764	72%	92.8%	85.1%
PAE202638	PAE202638	100%	100%	100%
PAE202638	PPU109199	91%	98.2%	98.8%
PAE202638	PSY104066	85%	93.4%	93.9%
PAE202638	SPA101449	69%	99.4%	99.4%
PAE202638	STY100620	69%	99.4%	99.4%
PAE202638	YPS000449	71%	94.0%	90.7%
PAE202639	ABA104508	61%	94.0%	94.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202639	BPT102603	43%	91.3%	89.2%
PAE202639	BCE109909	37%	99.3%	83.4%
PAE202639	BFU101051	42%	90.0%	90.5%
PAE202639	BMA102085	42%	88.4%	90.1%
PAE202639	CBO100268	40%	90.6%	63.7%
PAE202639	CDF101141	41%	90.0%	64.0%
PAE202639	EBC104020	81%	94.6%	94.6%
PAE202639	EFA202361	37%	88.2%	91.2%
PAE202639	ECO102242	79%	94.6%	94.6%
PAE202639	KPN303095	80%	94.4%	94.6%
PAE202639	LPN102788	44%	90.4%	94.6%
PAE202639	MCA101206	56%	98.7%	93.2%
PAE202639	MAV108179	46%	96.7%	95.4%
PAE202639	MBV105192	47%	92.4%	93.3%
PAE202639	MTU203107	47%	92.4%	93.3%
PAE202639	NGO100655	44%	88.4%	90.8%
PAE202639	NME200014	44%	88.4%	90.8%
PAE202639	PRT101707	75%	96.9%	95.6%
PAE202639	PAE202639	100%	100%	100%
PAE202639	PPU104927	89%	98.9%	97.8%
PAE202639	PSY104064	87%	100%	100%
PAE202639	SPA101448	77%	94.6%	94.6%
PAE202639	STY100618	79%	94.6%	94.6%
PAE202639	YPS000446	77%	96.9%	93.9%
PAE202669	BPT104423	33%	28.7%	22.5%
PAE202669	BMA100760	31%	20.1%	11.0%
PAE202669	CDP101905	28%	47.6%	49.0%
PAE202669	PAE202669	100%	100%	100%
PAE202669	PSY106253	29%	19.8%	25.1%
PAE202682	ABA100225	26%	52.2%	10.0%
PAE202682	ABA100477	29%	68.5%	100%
PAE202682	BAN104847	22%	25.0%	17.8%
PAE202682	BAN109223	35%	5.7%	36.6%
PAE202682	BAN101440	27%	13.9%	72.9%
PAE202682	BAN110288	21%	9.8%	16.9%
PAE202682	BPT105733	25%	22.2%	62.4%
PAE202682	BCE108121	30%	68.4%	90.4%
PAE202682	BFU100092	44%	6.4%	95.6%
PAE202682	BFU107935	29%	47.2%	64.9%
PAE202682	BFU102581	30%	86.9%	70.2%
PAE202682	BMA107682	25%	88.7%	83.3%
PAE202682	CAC100404	25%	12.3%	61.5%
PAE202682	EBC104888	26%	73.3%	87.3%
PAE202682	ECO100490	51%	7.0%	39.4%
PAE202682	ECO103517	49%	8.0%	45.9%
PAE202682	ECO100686	35%	19.5%	67.9%
PAE202682	ECO101427	30%	36.1%	76.2%
PAE202682	ECO100488	31%	88.8%	88.3%
PAE202682	ECO100683	32%	89.7%	90.6%
PAE202682	ECO103405	33%	88.7%	88.4%
PAE202682	ECO103515	33%	88.7%	90.6%
PAE202682	PRT103688	36%	12.5%	48.8%
PAE202682	PRT103361	28%	13.1%	100%
PAE202682	PRT103421	25%	86.6%	88.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202682	PAE202682	100%	100%	100%
PAE202682	PPU107712	33%	8.0%	93.1%
PAE202682	PPU110484	26%	11.4%	93.1%
PAE202682	PPU109654	34%	4.9%	93.4%
PAE202682	PPU107101	33%	19.3%	54.7%
PAE202682	PPU109653	31%	2.4%	64.5%
PAE202682	PPU109652	28%	86.0%	73.6%
PAE202682	PPU110482	28%	85.5%	77.5%
PAE202682	PSY108533	31%	33.6%	97.8%
PAE202682	PSY101322	53%	5.7%	29.6%
PAE202682	PSY105816	44%	7.7%	45.7%
PAE202682	PSY102083	26%	86.8%	65.1%
PAE202682	SPA100247	29%	53.9%	92.3%
PAE202682	STY104095	30%	52.2%	49.2%
PAE202682	STM103807	44%	9.6%	52.8%
PAE202682	STM103806	27%	89.1%	78.8%
PAE202682	YPS002999	25%	64.1%	24.7%
PAE202683	BFR100630	24%	66.9%	78.0%
PAE202683	BCE104450	46%	51.7%	95.1%
PAE202683	BCE111308	39%	89.8%	97.2%
PAE202683	BFU102584	38%	75.5%	84.8%
PAE202683	BFU100791	38%	88.4%	92.4%
PAE202683	BFU107929	39%	92.8%	95.3%
PAE202683	BMA105820	42%	91.9%	68.9%
PAE202683	EBC102287	42%	73.1%	61.8%
PAE202683	ECO200602	34%	73.7%	84.0%
PAE202683	ECO202018	32%	89.4%	90.1%
PAE202683	ECO200236	32%	90.8%	90.3%
PAE202683	MAV100794	24%	11.2%	49.0%
PAE202683	PRT100729	31%	74.5%	74.6%
PAE202683	PRT101866	29%	80.7%	80.3%
PAE202683	PAE200091	75%	88.3%	98.1%
PAE202683	PAE200095	79%	91.6%	99.1%
PAE202683	PAE202683	100%	100%	100%
PAE202683	PPU110472	38%	93.7%	95.0%
PAE202683	SPA102886	38%	78.5%	82.1%
PAE202683	STY104093	38%	77.4%	77.6%
PAE202683	STM103805	38%	77.4%	77.6%
PAE202683	YPS002993	31%	92.7%	83.2%
PAE202683	YPS002986	32%	88.7%	76.6%
PAE202683	YPS002861	32%	92.3%	89.5%
PAE202683	YPS002256	35%	93.1%	72.6%
PAE202724	BAN104705	42%	34.0%	31.7%
PAE202724	BFR104549	31%	63.7%	93.4%
PAE202724	CAC100359	26%	60.8%	87.6%
PAE202724	CBO102736	27%	86.8%	93.4%
PAE202724	CDF102556	31%	60.8%	76.0%
PAE202724	EBC102870	31%	63.2%	92.9%
PAE202724	EFA201808	27%	87.7%	70.5%
PAE202724	EFM200702	26%	60.8%	68.5%
PAE202724	ECO104127	31%	63.2%	92.9%
PAE202724	HIN101129	29%	63.2%	92.3%
PAE202724	KPN303784	30%	63.2%	92.9%
PAE202724	LMO100609	29%	60.8%	74.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202724	PMU100941	29%	63.2%	91.1%
PAE202724	PRT101043	29%	63.2%	92.9%
PAE202724	PAE202724	100%	100%	100%
PAE202724	SPA101627	30%	58.5%	91.7%
PAE202724	STY103909	31%	63.2%	92.9%
PAE202724	SAU800227	25%	87.3%	71.3%
PAE202724	SEP200043	37%	36.3%	33.1%
PAE202724	SMU101177	30%	60.8%	67.7%
PAE202724	SPN400185	31%	60.8%	69.4%
PAE202724	SPY201607	30%	60.8%	66.7%
PAE202724	VCH103237	27%	66.0%	96.1%
PAE202724	YPS000969	31%	62.3%	97.2%
PAE202739	ABA102501	79%	100%	99.2%
PAE202739	BAN104202	43%	96.6%	95.8%
PAE202739	BAN110178	58%	99.2%	99.2%
PAE202739	BFR104064	59%	98.3%	100%
PAE202739	BPT100292	72%	100%	99.2%
PAE202739	BBU100187	46%	93.2%	95.7%
PAE202739	BCE102715	68%	100%	99.2%
PAE202739	BFU102443	69%	100%	99.2%
PAE202739	BMA107401	68%	100%	99.2%
PAE202739	CJU100217	63%	99.2%	100%
PAE202739	CPN200847	44%	99.2%	96.7%
PAE202739	CTR200218	43%	99.2%	95.1%
PAE202739	CAC101951	56%	99.2%	98.3%
PAE202739	CDF102735	53%	100%	100%
PAE202739	CDP100976	61%	99.2%	92.1%
PAE202739	EBC102984	83%	100%	100%
PAE202739	EFA200358	63%	100%	99.2%
PAE202739	EFM201307	63%	100%	99.2%
PAE202739	ECO101684	83%	100%	100%
PAE202739	HIN101286	82%	99.2%	100%
PAE202739	HPY100124	54%	97.5%	99.1%
PAE202739	KPN301692	83%	100%	100%
PAE202739	LPN101410	78%	100%	99.2%
PAE202739	LMO100743	62%	100%	99.2%
PAE202739	MAV106548	57%	99.2%	89.3%
PAE202739	MBV101274	57%	99.2%	90.7%
PAE202739	MLP100866	55%	99.2%	90.7%
PAE202739	MTU201622	57%	99.2%	90.7%
PAE202739	MGE100200	51%	94.9%	90.3%
PAE202739	MPN100037	53%	95.8%	89.0%
PAE202739	NGO101855	77%	100%	99.2%
PAE202739	NME200857	77%	100%	99.2%
PAE202739	PMU100604	82%	99.2%	100%
PAE202739	PRT101306	82%	100%	100%
PAE202739	PAE202739	100%	100%	100%
PAE202739	PPU111376	94%	100%	100%
PAE202739	PSY109131	94%	100%	100%
PAE202739	SPA100657	84%	95.8%	94.2%
PAE202739	STY101118	83%	100%	100%
PAE202739	STM103448	83%	100%	100%
PAE202739	SAU801678	58%	99.2%	99.2%
PAE202739	SEP201662	58%	99.2%	99.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202739	SHA100082	59%	99.2%	99.2%
PAE202739	SMU100912	64%	99.2%	98.3%
PAE202739	SPN400863	65%	99.2%	98.3%
PAE202739	SPY200598	65%	99.2%	98.3%
PAE202739	TPA100839	47%	89.8%	86.9%
PAE202739	UUR100231	45%	93.2%	96.7%
PAE202739	VCH103020	80%	99.2%	100%
PAE202739	YPS003061	84%	100%	100%
PAE202740	ABA102503	64%	92.2%	79.7%
PAE202740	BAN113355	48%	95.3%	93.9%
PAE202740	BAN109536	48%	95.3%	93.9%
PAE202740	BFR104500	51%	95.3%	98.4%
PAE202740	BPT100293	59%	90.6%	90.8%
PAE202740	BBU100188	43%	92.2%	90.9%
PAE202740	BCE106262	54%	90.6%	95.2%
PAE202740	BFU102444	54%	90.6%	95.2%
PAE202740	BMA105698	56%	95.3%	95.4%
PAE202740	CJU100216	45%	95.3%	96.8%
PAE202740	CPN200848	38%	95.3%	96.9%
PAE202740	CTR200217	35%	95.3%	96.9%
PAE202740	CAC101588	68%	68.8%	69.2%
PAE202740	CBO102406	60%	81.2%	81.5%
PAE202740	CDF104095	51%	95.3%	96.9%
PAE202740	CDP100973	41%	92.2%	93.8%
PAE202740	EBC102982	60%	89.1%	89.2%
PAE202740	EFA203061	50%	95.3%	93.9%
PAE202740	EFM202134	50%	95.3%	93.9%
PAE202740	ECO101685	63%	89.1%	89.2%
PAE202740	HIN101285	66%	82.8%	60.7%
PAE202740	HPY100123	47%	89.1%	89.1%
PAE202740	KPN301691	63%	89.1%	89.2%
PAE202740	LPN101798	50%	93.8%	100%
PAE202740	LMO101064	46%	92.2%	90.9%
PAE202740	MAV106547	38%	95.3%	96.9%
PAE202740	MBV101273	39%	89.1%	90.6%
PAE202740	MLP100865	37%	95.3%	96.9%
PAE202740	MTU201621	39%	89.1%	90.6%
PAE202740	MGE100199	47%	84.4%	93.2%
PAE202740	MPN100038	49%	84.4%	93.2%
PAE202740	NGO101853	67%	95.3%	95.4%
PAE202740	NME200856	67%	95.3%	95.4%
PAE202740	PMU100603	66%	82.8%	83.1%
PAE202740	PRT103408	63%	89.1%	89.2%
PAE202740	PAE202740	100%	100%	100%
PAE202740	PPU103712	82%	100%	92.8%
PAE202740	PSY107471	84%	100%	100%
PAE202740	SPA100656	63%	89.1%	89.2%
PAE202740	STY101126	63%	89.1%	89.2%
PAE202740	STM103447	63%	89.1%	89.2%
PAE202740	SAU801679	54%	95.3%	93.9%
PAE202740	SEP201663	53%	95.3%	93.9%
PAE202740	SHA100081	51%	95.3%	93.9%
PAE202740	SMU100910	45%	95.3%	93.9%
PAE202740	SPN400862	45%	95.3%	93.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202740	SPY200597	44%	90.6%	90.8%
PAE202740	TPA100840	53%	95.3%	93.9%
PAE202740	UUR100230	43%	92.2%	93.8%
PAE202740	VCH103019	67%	95.3%	95.3%
PAE202740	YPS003064	62%	89.1%	89.2%
PAE202753	BCE114567	55%	82.7%	99.2%
PAE202753	BMA103554	50%	96.2%	82.7%
PAE202753	EBC102918	58%	96.2%	92.8%
PAE202753	ECO102167	54%	98.7%	98.8%
PAE202753	KPN301560	57%	92.3%	90.2%
PAE202753	MAV101305	32%	50%	21.5%
PAE202753	PRT101050	47%	97.4%	98.1%
PAE202753	PAE202753	100%	100%	100%
PAE202753	PPU110767	67%	97.4%	98.1%
PAE202753	SPA101703	50%	99.4%	99.4%
PAE202753	STY100490	51%	99.4%	99.4%
PAE202753	STM100205	52%	99.4%	99.4%
PAE202753	YPS000263	46%	98.1%	94.1%
PAE202788	PAE202788	100%	100%	100%
PAE202829	BCE112466	41%	99.2%	83.8%
PAE202829	BFU101173	43%	97.9%	97.4%
PAE202829	BMA102236	44%	97.9%	97.4%
PAE202829	NGO101119	50%	100%	93.5%
PAE202829	NME201171	50%	100%	99.7%
PAE202829	PAE202829	100%	100%	100%
PAE202829	PPU111541	63%	100%	98.2%
PAE202829	PSY102269	61%	100%	100%
PAE202829	SPY200945	32%	20%	23.2%
PAE202946	BFR12474	40%	98%	40.9%
PAE202946	BCE110714	77%	97.6%	100%
PAE202946	BFU105460	78%	95.2%	98.8%
PAE202946	BMA108919	75%	95.2%	98.8%
PAE202946	CAC102927	42%	99.2%	98.8%
PAE202946	CBO101360	45%	98.8%	97.2%
PAE202946	CDF104345	42%	98%	95.7%
PAE202946	CDP101127	53%	95.2%	93.4%
PAE202946	KPN305124	46%	98%	95.7%
PAE202946	LMO102006	41%	98%	98.8%
PAE202946	MAV103322	52%	95.2%	94.1%
PAE202946	MBV100257	56%	98.4%	93.6%
PAE202946	MTU202038	56%	98.4%	99.2%
PAE202946	PAE202946	100%	100%	100%
PAE202946	PPU105263	74%	100%	100%
PAE202946	PSY105227	75%	99.2%	99.6%
PAE202946	SPA101461	47%	98%	95.7%
PAE202946	STY103303	47%	98%	95.7%
PAE202947	ABA105518	34%	88.3%	83.3%
PAE202947	BAN113370	24%	46.0%	98.4%
PAE202947	BAN108978	28%	51.1%	98.2%
PAE202947	BAN100793	24%	96.2%	96.6%
PAE202947	BAN106734	27%	96.2%	97.9%
PAE202947	BBU100645	27%	34.6%	34.6%
PAE202947	BFU108292	26%	76.5%	89.7%
PAE202947	BFU100482	32%	77.1%	90.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE202947	CJU100735	28%	38.4%	47.7%
PAE202947	HPY100727	23%	68.9%	78.0%
PAE202947	MTU403691	25%	79.0%	77.1%
PAE202947	MTU405320	26%	79.0%	77.1%
PAE202947	MGE100335	17%	79.0%	91.4%
PAE202947	MPN100368	21%	78.7%	91.0%
PAE202947	NGO101899	27%	76.2%	95.2%
PAE202947	NME202051	28%	76.5%	76.3%
PAE202947	PMU100355	24%	76.8%	90.8%
PAE202947	PAE202947	100%	100%	100%
PAE202947	SAU800615	22%	78.4%	92.7%
PAE202947	SEP200190	23%	83.2%	99.2%
PAE202947	UUR100019	20%	82.9%	92.4%
PAE202989	ABA103540	63%	98.9%	97.0%
PAE202989	EBC104137	62%	99.4%	99.1%
PAE202989	ECO103868	62%	95.5%	100%
PAE202989	KPN303224	58%	68.1%	97.5%
PAE202989	MCA103082	60%	99.4%	87.9%
PAE202989	MAV103003	42%	98.7%	97.0%
PAE202989	MBV105108	42%	98.7%	97.0%
PAE202989	MTU202676	42%	98.7%	97.6%
PAE202989	PRT105115	63%	99.1%	99.1%
PAE202989	PAE202989	100%	100%	100%
PAE202989	PPU101827	85%	100%	100%
PAE202989	PSY102905	84%	100%	97.3%
PAE202989	SPA102621	57%	68.1%	97.5%
PAE202989	STY102734	62%	99.4%	99.1%
PAE202989	SEP200143	27%	96.6%	97.7%
PAE202989	VCH100150	61%	99.1%	98.9%
PAE202989	YPS001763	63%	99.4%	99.1%
PAE203003	ABA104411	61%	91.9%	91.2%
PAE203003	BFR11494	32%	78.0%	25.8%
PAE203003	BFR102425	30%	76.8%	25.4%
PAE203003	BPT102882	51%	90.7%	86.9%
PAE203003	BBU100619	30%	66.9%	41.8%
PAE203003	BCE101499	50%	98.2%	98.0%
PAE203003	BFU101289	48%	98.2%	98.0%
PAE203003	BMA104623	51%	97.9%	97.7%
PAE203003	CAC100166	30%	82.2%	53.5%
PAE203003	CDP101664	34%	69.3%	70.2%
PAE203003	EBC100833	55%	48.2%	98.2%
PAE203003	ECO101080	52%	95.2%	93.5%
PAE203003	HIN100939	52%	87.7%	83.5%
PAE203003	KPN300959	52%	95.2%	93.8%
PAE203003	LPN100014	30%	79.8%	74.6%
PAE203003	LPN100836	29%	75.9%	72.5%
PAE203003	MCA101241	50%	97.3%	94.6%
PAE203003	MAV102122	33%	68.4%	60.3%
PAE203003	MBV104826	33%	65.4%	57.7%
PAE203003	MLP101517	32%	71.1%	61.5%
PAE203003	MTU200236	34%	65.4%	57.7%
PAE203003	NGO101850	49%	82.8%	78.4%
PAE203003	NME200652	50%	82.8%	78.4%
PAE203003	PMU100071	47%	98.2%	96.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203003	PRT105906	49%	98.5%	98.2%
PAE203003	PAE203003	100%	100%	100%
PAE203003	PPU109017	84%	100%	90.2%
PAE203003	PSY102892	84%	100%	98.8%
PAE203003	SPA101787	50%	97.3%	95.6%
PAE203003	STY102545	50%	97.3%	95.6%
PAE203003	STM102735	50%	97.3%	95.6%
PAE203003	SHA102342	27%	56.0%	34.8%
PAE203003	VCH100679	48%	96.1%	95.8%
PAE203003	YPS003184	51%	97.9%	95.6%
PAE203004	ABA100588	34%	39.1%	43.3%
PAE203004	BAN108099	33%	30.5%	36.6%
PAE203004	BCE113782	37%	87.6%	74.4%
PAE203004	BFU110691	37%	94.0%	71.9%
PAE203004	BMA109988	60%	29.6%	85.2%
PAE203004	CAC101145	30%	31.3%	37.4%
PAE203004	EFA103871	24%	60.9%	66.3%
PAE203004	MAV102370	35%	39.9%	46%
PAE203004	MBV102431	31%	55.8%	57.0%
PAE203004	MTU201664	31%	55.8%	57.0%
PAE203004	PAE203004	100%	100%	100%
PAE203004	PPU108988	85%	98.3%	97.0%
PAE203004	PSY108753	82%	100%	99.2%
PAE203004	VCH101713	41%	89.3%	91.5%
PAE203009	ABA104108	66%	99.1%	97.3%
PAE203009	BAN109416	39%	86.2%	93.6%
PAE203009	BAN101551	39%	88.4%	91.6%
PAE203009	BFR101155	40%	71.1%	78.5%
PAE203009	BPT100056	25%	69.8%	72.6%
PAE203009	BBU100827	35%	66.2%	67.6%
PAE203009	BCE103151	26%	59.9%	78.4%
PAE203009	BFU100507	26%	59.9%	61.3%
PAE203009	BMA106704	27%	59.9%	87.6%
PAE203009	CJU101590	40%	85.6%	99.9%
PAE203009	CPN201084	37%	91.0%	83.0%
PAE203009	CTR200012	36%	90.9%	83.6%
PAE203009	CAC102294	38%	90.9%	92.4%
PAE203009	CBO102039	39%	86.9%	88.7%
PAE203009	CDF100883	38%	86.3%	99.0%
PAE203009	CDP100002	42%	65.8%	60.5%
PAE203009	EBC101405	69%	62.1%	100%
PAE203009	EFA201307	39%	84.4%	98.3%
PAE203009	EFM201130	40%	90.8%	90.7%
PAE203009	ECO101245	67%	100%	100%
PAE203009	HIN101331	64%	100%	100%
PAE203009	HPY100114	38%	90.8%	93.3%
PAE203009	KPN301380	67%	99.3%	99.4%
PAE203009	LPN102138	38%	85.0%	93.8%
PAE203009	LMO102467	38%	88.4%	91.6%
PAE203009	MCA101981	62%	99.1%	99.8%
PAE203009	MAV107800	40%	71.2%	69.3%
PAE203009	MBV102420	40%	71.3%	65.3%
PAE203009	MLP100140	39%	71.2%	68.5%
PAE203009	MTU203594	40%	71.3%	69.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203009	MGE100124	32%	79.6%	98.2%
PAE203009	MPN100572	32%	72.0%	91.3%
PAE203009	NGO101687	40%	85.0%	93.1%
PAE203009	NME200149	41%	85.0%	93.1%
PAE203009	PMU100615	64%	100%	100%
PAE203009	PRT105667	65%	99.9%	100%
PAE203009	PAE203009	100%	100%	100%
PAE203009	PPU101660	89%	100%	100%
PAE203009	PSY102886	86%	100%	100%
PAE203009	SPA101976	61%	78.3%	100%
PAE203009	STY103035	66%	100%	100%
PAE203009	STM103402	22%	56.8%	81.5%
PAE203009	SAU801250	41%	88.4%	91.7%
PAE203009	SEP201542	40%	88.4%	91.7%
PAE203009	SHA100660	38%	88.4%	91.7%
PAE203009	SMU100120	38%	85.7%	97.2%
PAE203009	SPN401140	40%	85.7%	86.0%
PAE203009	SPY200890	39%	85.7%	96.5%
PAE203009	TPA100390	37%	86.3%	95.2%
PAE203009	UUR100597	31%	79.6%	97.3%
PAE203009	VCH101702	66%	100%	99.5%
PAE203009	YPS000900	67%	100%	100%
PAE203011	ABA101100	66%	99.7%	99.5%
PAE203011	EBC103299	64%	98.0%	99.2%
PAE203011	ECO103757	64%	98.2%	99.2%
PAE203011	KPN308912	64%	98.2%	99.2%
PAE203011	MCA100366	64%	99.7%	99.5%
PAE203011	PRT105123	58%	98.2%	99.2%
PAE203011	PAE203011	100%	100%	100%
PAE203011	PPU101672	93%	100%	100%
PAE203011	PSY102884	91%	98.0%	100%
PAE203011	SPA101937	64%	98.2%	99.2%
PAE203011	STY101985	64%	98.2%	99.2%
PAE203011	VCH102720	64%	98.0%	99.0%
PAE203011	YPS000583	63%	98.5%	99.5%
PAE203038	BPT100995	39%	100%	100%
PAE203038	BCE112739	41%	90.8%	75.4%
PAE203038	BFU108125	42%	90.8%	95%
PAE203038	BMA107559	43%	90.8%	68.3%
PAE203038	EBC104086	37%	93.6%	97.0%
PAE203038	ECO103031	32%	89.9%	93.1%
PAE203038	KPN301957	37%	89.9%	93.1%
PAE203038	PMU100612	24%	90.8%	92.2%
PAE203038	PRT106147	33%	91.7%	95.0%
PAE203038	PAE203038	100%	100%	100%
PAE203038	PPU108934	61%	87.2%	100%
PAE203038	PSY108848	61%	97.2%	98.1%
PAE203038	SPA101873	32%	86.2%	92.8%
PAE203038	STY100868	34%	89.9%	93.1%
PAE203038	STM101317	34%	89.9%	93.1%
PAE203038	YPS001843	33%	100%	100%
PAE203039	BPT103478	32%	90.5%	83.9%
PAE203039	BCE113227	35%	89.7%	87.6%
PAE203039	BFU108127	33%	86.5%	85.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203039	BMA103301	35%	96.0%	93.8%
PAE203039	EBC104085	31%	87.3%	71.2%
PAE203039	ECO103032	31%	87.3%	81.3%
PAE203039	KPN301960	27%	87.3%	82.6%
PAE203039	PRT105481	39%	53.2%	47.8%
PAE203039	PAE203039	100%	100%	100%
PAE203039	PPU101755	69%	88.9%	90.3%
PAE203039	PSY102584	71%	95.2%	93.8%
PAE203039	SPA101874	30%	87.3%	71.2%
PAE203039	STY100880	31%	87.3%	82.6%
PAE203039	STM101320	31%	87.3%	82.6%
PAE203039	YPS001820	32%	93.7%	90.1%
PAE203045	BFR11462	27%	33.0%	32.8%
PAE203045	BPT100984	41%	89.7%	84.6%
PAE203045	BCE107003	43%	94.3%	88.0%
PAE203045	BFU101441	40%	93.7%	73.0%
PAE203045	BMA106620	42%	92.9%	78.1%
PAE203045	CDP100677	23%	86.1%	82.4%
PAE203045	EBC102682	28%	82.6%	90.0%
PAE203045	ECO103112	27%	89.3%	89.3%
PAE203045	HIN101297	26%	93.7%	91.2%
PAE203045	KPN300612	27%	70.6%	99.4%
PAE203045	LPN103187	22%	36.3%	38.8%
PAE203045	MAV100593	27%	37.2%	39.0%
PAE203045	MBV102407	27%	27.7%	14.4%
PAE203045	MLP100149	26%	36.1%	38.0%
PAE203045	MTU203575	27%	27.7%	13.9%
PAE203045	NGO101705	37%	92.0%	91.5%
PAE203045	NME200616	37%	92.0%	91.5%
PAE203045	PMU100716	26%	94.3%	90.3%
PAE203045	PRT100792	28%	96.2%	92.5%
PAE203045	PAE203045	100%	100%	100%
PAE203045	PPU101770	72%	99.4%	97.5%
PAE203045	PSY105582	71%	99.4%	97.1%
PAE203045	SPA101091	27%	86.6%	86.8%
PAE203045	STY101484	27%	86.6%	86.8%
PAE203045	STM101734	27%	86.6%	86.8%
PAE203045	VCH100620	24%	84.9%	81.5%
PAE203045	YPS002128	28%	86.6%	85.9%
PAE203066	BCE100016	62%	31.7%	100%
PAE203066	BFU115027	45%	97.4%	97.9%
PAE203066	KPN304858	31%	5.1%	30.8%
PAE203066	LPN102155	48%	69.0%	99.5%
PAE203066	LPN100305	47%	97.5%	97.2%
PAE203066	MAV100776	39%	94.0%	93.9%
PAE203066	MBV101525	39%	94.0%	94.1%
PAE203066	MLP100774	39%	94.0%	94.1%
PAE203066	MTU202440	39%	94.0%	94.1%
PAE203066	PAE203066	100%	100%	100%
PAE203066	PPU103150	83%	99.8%	97.3%
PAE203066	PSY101603	83%	99.6%	99.8%
PAE203066	SPA100328	31%	5.1%	30.9%
PAE203066	VCH101469	47%	97.3%	97.6%
PAE203080	BCE106339	25%	89.0%	91.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203080	BFU103586	23%	90.2%	80.7%
PAE203080	MGE100195	32%	11.9%	8.4%
PAE203080	PRT103376	29%	13.5%	18.6%
PAE203080	PAE203920	32%	95.3%	96.3%
PAE203080	PAE203080	100%	100%	100%
PAE203080	PPU109819	32%	96.5%	89.6%
PAE203080	PSY102424	31%	95.9%	96.6%
PAE203080	SPN400446	22%	16.5%	52.3%
PAE203119	ABA104781	75%	99.2%	99.6%
PAE203119	BAN100313	52%	98.7%	100%
PAE203119	BAN100367	53%	98.9%	97.6%
PAE203119	BFR12153	51%	98.9%	99.6%
PAE203119	BPT101910	73%	98.5%	96.9%
PAE203119	BCE108881	71%	98.9%	99.4%
PAE203119	BFU100662	67%	98.3%	91.7%
PAE203119	BMA104026	71%	98.9%	61.9%
PAE203119	CJU101621	50%	99.2%	98.7%
PAE203119	CAC102015	31%	94.1%	92.9%
PAE203119	CDF100900	34%	76.4%	76.5%
PAE203119	CDP100261	56%	98.7%	96.5%
PAE203119	EBC102532	62%	98.9%	99.6%
PAE203119	ECO100072	63%	98.9%	99.4%
PAE203119	HIN100969	59%	98.9%	98.9%
PAE203119	KPN301553	63%	98.9%	99.4%
PAE203119	LMO100765	54%	99.2%	98.3%
PAE203119	MCA100223	73%	99.2%	99.6%
PAE203119	MAV108159	60%	97.3%	95.8%
PAE203119	MBV102077	61%	97.3%	96.4%
PAE203119	MLP101031	60%	97.7%	95.3%
PAE203119	MTU202950	61%	97.3%	96.4%
PAE203119	NGO101165	67%	99.6%	99.8%
PAE203119	NME201321	67%	99.2%	99.4%
PAE203119	PMU101960	62%	98.9%	98.9%
PAE203119	PRT101170	62%	98.7%	98.5%
PAE203119	PAE203119	100%	100%	100%
PAE203119	PPU103214	87%	99.8%	99.0%
PAE203119	PSY104878	88%	99.6%	99.2%
PAE203119	SPA102560	61%	96.8%	99.6%
PAE203119	STY103139	62%	98.9%	99.4%
PAE203119	STM104156	54%	99.8%	99.2%
PAE203119	SAU802059	55%	99.4%	99.6%
PAE203119	SEP201303	55%	99.4%	99.6%
PAE203119	SHA102193	55%	59.3%	98.9%
PAE203119	SMU100436	52%	99.6%	98.9%
PAE203119	VCH102456	60%	98.7%	98.9%
PAE203119	YPS000958	64%	99.4%	97.7%
PAE203149	CJU101238	40%	92.4%	90.7%
PAE203149	PAE203149	100%	100%	100%
PAE203151	ABA105529	20%	96.1%	100%
PAE203151	BFR100084	20%	76.6%	63.4%
PAE203151	CAC100183	19%	88.1%	85.7%
PAE203151	EFM102346	24%	45.7%	47.5%
PAE203151	ECO102005	19%	84.2%	68.3%
PAE203151	PAE203151	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203151	PSY104681	29%	26.8%	26.2%
PAE203151	STY103547	20%	79.8%	66.5%
PAE203151	SAU504261	23%	94.6%	93.7%
PAE203151	SEP200907	29%	17.8%	22.3%
PAE203152	EBC102936	25%	22.1%	20.7%
PAE203152	PAE203152	100%	100%	100%
PAE203158	BFR101226	26%	22.1%	24.1%
PAE203158	BFU110441	20%	57.8%	30.4%
PAE203158	BFU105499	29%	26.1%	12.2%
PAE203158	BFU105525	17%	31.3%	35.9%
PAE203158	BFU100854	25%	12.9%	20.3%
PAE203158	CBO103682	36%	13.2%	20.3%
PAE203158	EBC102060	23%	95.4%	93.6%
PAE203158	EFA201750	23%	31.6%	26.3%
PAE203158	ECO100955	40%	12.1%	5.8%
PAE203158	ECO101986	20%	95.4%	90.5%
PAE203158	HIN100846	21%	54.6%	90.8%
PAE203158	KPN301895	19%	94.8%	98.2%
PAE203158	MBV100603	28%	32.8%	24.2%
PAE203158	MTU202161	28%	32.8%	24.2%
PAE203158	PRT102865	20%	94.0%	93.8%
PAE203158	PAE200937	21%	97.4%	93.4%
PAE203158	PAE203158	100%	100%	100%
PAE203158	SPA109962	23%	95.4%	93.3%
PAE203158	STY103505	23%	95.4%	93.3%
PAE203158	STM101038	21%	94.0%	94.5%
PAE203158	YPS001521	21%	97.4%	96.9%
PAE203171	ABA103036	54%	99.2%	98.0%
PAE203171	EBC101402	48%	98.8%	95.7%
PAE203171	ECO101242	50%	98.8%	95.6%
PAE203171	KPN301384	51%	98.8%	95.7%
PAE203171	MCA100527	51%	99.6%	93.8%
PAE203171	NGO100381	36%	93.9%	90.6%
PAE203171	NME201227	35%	93.9%	90.6%
PAE203171	PRT104910	51%	100%	96.5%
PAE203171	PAE203171	100%	100%	100%
PAE203171	PPU105935	78%	100%	100%
PAE203171	PSY103185	71%	100%	100%
PAE203171	SPA102162	44%	67.1%	94.2%
PAE203171	STY103032	51%	98.8%	95.7%
PAE203171	STM101349	51%	98.8%	95.7%
PAE203171	VCH101040	55%	98.8%	98.0%
PAE203171	YPS000894	52%	98.8%	95.7%
PAE203198	ABA100363	32%	93.6%	98.6%
PAE203198	BPT101825	43%	92.5%	96.1%
PAE203198	BCE111281	40%	94.2%	99.6%
PAE203198	BFU102363	40%	94.2%	99.6%
PAE203198	BMA103704	40%	94.2%	98.6%
PAE203198	CAC102768	28%	85.8%	89.1%
PAE203198	CBO102397	22%	94.9%	98.5%
PAE203198	CDF102791	25%	91.9%	96.0%
PAE203198	EBC100384	41%	67.1%	94.7%
PAE203198	EFM200458	37%	25.4%	8.7%
PAE203198	ECO101237	38%	96.3%	95.9%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203198	HIN101368	38%	93.9%	98.9%
PAE203198	KPN301377	39%	92.2%	93.7%
PAE203198	LPN102412	34%	92.5%	96.1%
PAE203198	MCA101529	32%	93.9%	89.6%
PAE203198	NGO101870	42%	94.6%	99.6%
PAE203198	NME200589	43%	94.6%	99.6%
PAE203198	PMU100616	42%	93.6%	97.5%
PAE203198	PRT101796	37%	92.2%	94.1%
PAE203198	PAE203198	100%	100%	100%
PAE203198	PPU102596	75%	94.6%	97.6%
PAE203198	PSY103202	77%	94.2%	96.9%
PAE203198	SPA102158	38%	92.2%	91.8%
PAE203198	STY103028	38%	92.2%	91.8%
PAE203198	STM102262	36%	20.3%	25.7%
PAE203198	VCH101158	35%	93.2%	93.8%
PAE203198	YPS000874	39%	92.2%	90.0%
PAE203213	ABA100298	36%	98.2%	98.5%
PAE203213	EBC101974	28%	91.4%	92.2%
PAE203213	ECO101470	28%	28.2%	38.7%
PAE203213	ECO104010	32%	24.6%	32.8%
PAE203213	ECO103438	28%	25.2%	33.9%
PAE203213	ECO100554	31%	22.6%	30.5%
PAE203213	ECO103439	38%	24.9%	30.7%
PAE203213	MBV103623	29%	91.4%	87.0%
PAE203213	MTU203042	30%	88.4%	87.1%
PAE203213	NGO100172	36%	27.0%	30.3%
PAE203213	NME102614	36%	27.0%	30.2%
PAE203213	PRT104740	34%	30.9%	36.5%
PAE203213	PAE203213	100%	100%	100%
PAE203213	PPU101064	68%	98.2%	94.1%
PAE203213	PSY101584	31%	82.5%	91.3%
PAE203213	STY103615	35%	35.3%	45.5%
PAE203213	STM102200	35%	35.3%	45.2%
PAE203213	SMU100002	24%	75.1%	73.3%
PAE203278	ABA102827	25%	40.9%	51.6%
PAE203278	BFR104483	22%	87.9%	91.6%
PAE203278	BFR104778	25%	87.9%	83.1%
PAE203278	BCE109710	24%	21.2%	23.3%
PAE203278	BFU106544	31%	21.2%	20.5%
PAE203278	BFU108704	35%	21.2%	20.7%
PAE203278	MPN100010	27%	30.8%	32.4%
PAE203278	PAE203277	72%	100%	100%
PAE203278	PAE203278	100%	100%	100%
PAE203278	PPU108704	66%	100%	100%
PAE203278	STM103492	29%	13.9%	15.3%
PAE203372	BPT104160	24%	43.2%	31.7%
PAE203372	BCE104817	27%	24.0%	20.7%
PAE203372	BFU103057	47%	98.4%	99.5%
PAE203372	BMA102024	49%	98.4%	99.5%
PAE203372	CDF101026	31%	81.4%	79.2%
PAE203372	EBC104455	54%	98.7%	99.7%
PAE203372	EFA200688	35%	22.5%	15.8%
PAE203372	ECO103989	54%	98.7%	99.7%
PAE203372	KPN304684	53%	98.7%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203372	PAE203372	100%	100%	100%
PAE203372	PSY105339	71%	100%	100%
PAE203372	YPS000997	56%	98.7%	99.7%
PAE203391	ABA105158	25%	31.8%	28.2%
PAE203391	BMA103946	31%	57.2%	87.7%
PAE203391	BMA106985	49%	29.4%	90.4%
PAE203391	BMA106687	40%	66.6%	79.2%
PAE203391	CAC103354	22%	29.2%	27.0%
PAE203391	NGO103600	40%	39.5%	80.7%
PAE203391	NME200703	38%	74.8%	89.0%
PAE203391	PAE203391	100%	100%	100%
PAE203413	LPN102911	48%	99.2%	99.7%
PAE203413	PAE203413	100%	100%	100%
PAE203475	BCE113754	37%	90.9%	97.3%
PAE203475	BMA102624	37%	96.7%	97.9%
PAE203475	EBC100444	38%	55.6%	95.7%
PAE203475	ECO101881	40%	98.8%	99.2%
PAE203475	KPN300605	43%	98.8%	99.2%
PAE203475	LPN103648	39%	19.9%	21.5%
PAE203475	LPN102997	42%	22.4%	23.8%
PAE203475	PAE203475	100%	100%	100%
PAE203475	SPA102745	44%	98.8%	99.2%
PAE203475	STY102762	45%	98.8%	99.2%
PAE203477	BMA109458	48%	90.2%	89.0%
PAE203477	BMA109480	48%	90.2%	89.0%
PAE203477	PAE203477	100%	100%	100%
PAE203482	PAE203482	100%	100%	100%
PAE203505	ABA102630	56%	98.5%	98.9%
PAE203505	BCE111825	64%	98.1%	98.1%
PAE203505	BFU103535	31%	97.0%	81.4%
PAE203505	BFU107966	65%	98.1%	98.1%
PAE203505	BMA100844	62%	98.1%	98.1%
PAE203505	KPN303060	55%	96.2%	96.6%
PAE203505	PAE203505	100%	100%	100%
PAE203520	MAV102532	25%	48.0%	52.8%
PAE203520	PAE203520	100%	100%	100%
PAE203636	ABA100310	29%	90.3%	94.6%
PAE203636	BAN106833	32%	36.7%	36.9%
PAE203636	BAN110448	31%	47.5%	45.6%
PAE203636	BFR105493	33%	36.2%	40.4%
PAE203636	BPT101422	41%	57.7%	85.2%
PAE203636	BBU100787	25%	52.7%	53.6%
PAE203636	BCE103292	37%	92.8%	92.4%
PAE203636	BFU100945	37%	91.2%	90.5%
PAE203636	BMA101020	41%	92.8%	100%
PAE203636	CJU101371	28%	45.5%	60.4%
PAE203636	CPN200842	31%	41.4%	57.1%
PAE203636	CTR200223	31%	46.6%	65.4%
PAE203636	CAC100355	30%	48.2%	44.9%
PAE203636	CBO100497	31%	42.8%	41.5%
PAE203636	CDF101023	28%	48.6%	47.6%
PAE203636	CDP100675	30%	48.0%	70.0%
PAE203636	EBC102557	50%	51.8%	88.7%
PAE203636	EFA201933	27%	86.4%	82%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203636	EFM202069	30%	57.7%	57.5%
PAE203636	ECO100188	41%	88.9%	91.0%
PAE203636	HIN100384	35%	88.7%	93.5%
PAE203636	HPY100716	29%	45.2%	57.4%
PAE203636	KPN301915	39%	93.4%	93.8%
PAE203636	LPN100863	33%	86.0%	94%
PAE203636	LMO100173	33%	47.7%	33.5%
PAE203636	MCA100637	33%	59.7%	59.2%
PAE203636	MAV100591	43%	33.9%	80.8%
PAE203636	MBV102370	38%	60.0%	77.4%
PAE203636	MLP100150	38%	60.0%	77.4%
PAE203636	MTU203573	38%	60.0%	77.4%
PAE203636	MGE100086	26%	39.4%	58.6%
PAE203636	MPN100609	27%	39.4%	58.8%
PAE203636	NGO102060	38%	67.6%	69.6%
PAE203636	NME201238	38%	67.6%	67.1%
PAE203636	PMU100289	33%	87.1%	92.3%
PAE203636	PRT101174	38%	88.7%	89.8%
PAE203636	PAE203636	100%	100%	100%
PAE203636	PPU101173	59%	97.1%	99.3%
PAE203636	PSY104335	62%	38.0%	100%
PAE203636	SPA100900	39%	88.7%	91.8%
PAE203636	STY103952	39%	88.7%	91.2%
PAE203636	STM103634	40%	88.7%	91.2%
PAE203636	SAU800509	31%	46.6%	49.0%
PAE203636	SEP201842	33%	42.8%	44.9%
PAE203636	SHA100217	34%	42.8%	60.2%
PAE203636	SMU101186	29%	47.7%	52.9%
PAE203636	SPN400010	26%	59.5%	55.1%
PAE203636	SPY200010	33%	44.3%	43.9%
PAE203636	TPA100369	37%	41.0%	39.6%
PAE203636	UUR100075	22%	40.5%	53.8%
PAE203636	VCH102208	37%	88.9%	89.8%
PAE203636	YPS001161	38%	93.0%	93.5%
PAE203641	ABA100586	44%	97.6%	97.7%
PAE203641	BFR101347	30%	98.7%	100%
PAE203641	BPT101131	45%	98.4%	98.7%
PAE203641	BCE101730	48%	98.9%	97.2%
PAE203641	BFU112783	46%	98.4%	98.9%
PAE203641	BMA105530	48%	98.9%	97.4%
PAE203641	CJU100259	27%	72.8%	73.4%
PAE203641	CPN200879	33%	89.9%	57.1%
PAE203641	CTR200682	34%	83.3%	52.6%
PAE203641	CDF100133	26%	36.0%	33.7%
PAE203641	EBC102551	53%	98.4%	98.4%
PAE203641	ECO100182	53%	98.4%	98.4%
PAE203641	HIN101037	50%	97.9%	96.9%
PAE203641	HPY100854	29%	82.3%	83.9%
PAE203641	KPN301924	54%	98.7%	98.4%
PAE203641	LPN103576	45%	97.1%	98.7%
PAE203641	MCA101525	40%	97.4%	93.7%
PAE203641	NGO100750	47%	97.1%	96.9%
PAE203641	NME200064	47%	97.1%	96.9%
PAE203641	PMU101997	49%	98.1%	96.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203641	PRT101244	53%	97.9%	95.9%
PAE203641	PAE203641	100%	100%	100%
PAE203641	PPU101166	80%	98.9%	99.2%
PAE203641	PSY104341	78%	99.2%	98.4%
PAE203641	SPA100775	59%	38.1%	94.7%
PAE203641	STY103912	53%	98.4%	98.4%
PAE203641	STM103625	53%	98.4%	98.4%
PAE203641	VCH102213	50%	98.7%	98.9%
PAE203641	YPS001151	52%	98.7%	95.7%
PAE203700	BCE108743	57%	98.2%	100%
PAE203700	BMA102491	57%	98.5%	96.5%
PAE203700	PAE203700	100%	100%	100%
PAE203700	PPU107886	75%	99.7%	99.4%
PAE203700	PSY104903	72%	99.4%	100%
PAE203706	BPT102843	63%	96.7%	96.4%
PAE203706	BCE102508	67%	68.6%	99.5%
PAE203706	BFU103516	60%	97.8%	97.6%
PAE203706	BMA107817	60%	99.1%	99.3%
PAE203706	EFM102565	76%	29.5%	100%
PAE203706	PAE203706	100%	100%	100%
PAE203706	PPU108754	77%	100%	99.8%
PAE203713	BPT105932	32%	18.0%	23.3%
PAE203713	BCE110115	21%	20.6%	32.4%
PAE203713	CAC100257	25%	16.0%	16.9%
PAE203713	CBO101444	22%	36.8%	77.4%
PAE203713	CBO102514	19%	62.9%	44.8%
PAE203713	MCA101008	31%	3.0%	39.1%
PAE203713	PAE203713	100%	100%	100%
PAE203734	ABA104395	37%	94.2%	84.5%
PAE203734	BPT101697	30%	76.0%	59.4%
PAE203734	BCE104511	30%	100%	98.3%
PAE203734	BFU102511	30%	97.5%	97.5%
PAE203734	BMA105976	30%	96.7%	95.0%
PAE203734	CTR200833	25%	31.0%	43.4%
PAE203734	EBC102953	45%	78.9%	77.6%
PAE203734	ECO102829	41%	94.6%	92.4%
PAE203734	HIN101185	36%	94.2%	95.2%
PAE203734	KPN303323	41%	94.2%	91.6%
PAE203734	MCA103261	31%	93.4%	86.6%
PAE203734	NGO101461	28%	90.5%	82.0%
PAE203734	NME200672	28%	90.5%	82.3%
PAE203734	PMU100191	35%	92.6%	94.3%
PAE203734	PRT102354	39%	92.6%	91.9%
PAE203734	PAE203734	100%	100%	100%
PAE203734	PPU107820	68%	98.8%	99.2%
PAE203734	PSY108357	66%	100%	100%
PAE203734	SPA102979	41%	94.2%	89.9%
PAE203734	STY104139	42%	94.2%	89.9%
PAE203734	STM102243	22%	62.4%	82.6%
PAE203734	VCH102383	39%	81.0%	79.6%
PAE203734	YPS000163	43%	92.6%	90.8%
PAE203761	ABA100205	43%	26.3%	8.1%
PAE203761	BFR104777	21%	50.7%	84.7%
PAE203761	BFR11240	29%	91.4%	90.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203761	EBC102608	37%	96.9%	84.7%
PAE203761	ECO102509	38%	95.4%	91.3%
PAE203761	HIN100223	41%	90.9%	88.1%
PAE203761	KPN303140	39%	90.0%	73.1%
PAE203761	PMU100045	38%	98.9%	94.5%
PAE203761	PRT105702	44%	90.0%	82.6%
PAE203761	PAE203761	100%	100%	100%
PAE203761	PPU101423	76%	97.8%	99.3%
PAE203761	PSY103797	75%	98.0%	93.3%
PAE203761	SPA100673	36%	96.7%	92.5%
PAE203761	STY102070	39%	90.9%	86.1%
PAE203761	STM101827	37%	98.5%	85.8%
PAE203761	VCH100850	40%	91.2%	79.4%
PAE203761	YPS003376	43%	90.9%	84.0%
PAE203842	BPT102181	37%	98.7%	100%
PAE203842	BCE107483	43%	97.3%	89.4%
PAE203842	BFU110988	56%	97.0%	86.3%
PAE203842	BMA108476	35%	97.7%	95.9%
PAE203842	BMA104510	45%	96.6%	91.0%
PAE203842	EBC100771	62%	46.0%	100%
PAE203842	KPN304389	56%	98.0%	99.0%
PAE203842	PAE203842	100%	100%	100%
PAE203863	BPT100646	25%	24.7%	64.5%
PAE203863	CTR100382	20%	41.4%	62.4%
PAE203863	EFM102626	27%	18.7%	81.5%
PAE203863	KPN204198	29%	45.9%	63.6%
PAE203863	MBV101369	25%	41.6%	85.0%
PAE203863	MTU203431	25%	41.6%	85.0%
PAE203863	PAE201149	49%	85.7%	81.0%
PAE203863	PAE203863	100%	100%	100%
PAE203863	PPU106908	29%	39.8%	35.9%
PAE203863	PSY101314	27%	61.5%	68.7%
PAE203863	PSY100814	29%	44.1%	70.7%
PAE203863	SAU301268	17%	36.9%	50.8%
PAE203863	SAU301276	26%	31.0%	48.7%
PAE203863	SPY200199	23%	31.3%	82.9%
PAE203863	YPS001602	26%	46.2%	68.0%
PAE203873	BMA100869	64%	96.2%	3.9%
PAE203873	CDP101678	33%	97.0%	98.2%
PAE203873	EBC100329	68%	37.6%	94.1%
PAE203873	ECO101196	60%	96.2%	97.2%
PAE203873	KPN303485	58%	96.4%	97.6%
PAE203873	MCA101703	59%	93.6%	5.0%
PAE203873	MAV102347	42%	94.9%	92.7%
PAE203873	MBV104795	42%	94.9%	92.7%
PAE203873	MLP100509	32%	96.6%	87.4%
PAE203873	MTU200266	42%	94.9%	92.7%
PAE203873	PRT102088	59%	94.9%	95.9%
PAE203873	PAE203873	100%	100%	100%
PAE203873	SPA102627	58%	95.5%	96.5%
PAE203873	STY102957	58%	96.2%	96.8%
PAE203873	STM100366	59%	95.5%	96.5%
PAE203874	ABA105006	27%	89.1%	86.2%
PAE203874	BAN113548	25%	91.0%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE203874	BAN101508	30%	91.0%	95.1%
PAE203874	BFR11590	20%	90.7%	93.8%
PAE203874	CDP101680	39%	79.8%	98.2%
PAE203874	MGE100300	20%	53.4%	51.3%
PAE203874	PAE203874	100%	100%	100%
PAE203874	SAU802388	26%	92.3%	95.9%
PAE203874	SEP200983	26%	94.4%	98.7%
PAE203874	SHA100354	30%	54.5%	93.1%
PAE203874	SPN401452	20%	92.8%	97.7%
PAE203874	YPS001594	26%	35.3%	89.1%
PAE203877	BMA104367	65%	79.4%	70.3%
PAE203877	PAE203877	100%	100%	100%
PAE203928	BPT102993	68%	97.7%	96.6%
PAE203928	PAE203928	100%	100%	100%
PAE203928	PPU102676	83%	100%	100%
PAE203928	PSY101364	77%	100%	100%
PAE203928	YPS001125	50%	97.3%	93.1%
PAE203981	ABA104991	40%	96.7%	93.6%
PAE203981	BPT100972	34%	95.5%	100%
PAE203981	BBU100236	22%	89.0%	88.9%
PAE203981	BCE102700	34%	90.8%	81.6%
PAE203981	BFU103489	35%	92.4%	89.6%
PAE203981	BMA107358	33%	69.9%	96%
PAE203981	CJU101021	27%	45.0%	49.9%
PAE203981	CPN200092	27%	64.2%	66.2%
PAE203981	CTR200810	24%	81.6%	81.9%
PAE203981	CDP101117	27%	71.6%	81.2%
PAE203981	EBC102934	39%	95.1%	96.1%
PAE203981	ECO100647	40%	94.1%	95.9%
PAE203981	HIN100288	36%	94.5%	93.5%
PAE203981	HPY100177	23%	49.5%	56.9%
PAE203981	KPN302711	40%	96.9%	97.3%
PAE203981	LPN102781	31%	82.8%	97.2%
PAE203981	MCA100961	39%	96.1%	96.4%
PAE203981	MAV106114	26%	85.9%	78.3%
PAE203981	MBV105708	28%	92.6%	86.3%
PAE203981	MLP100891	25%	96.1%	79.7%
PAE203981	MTU202018	25%	97.1%	58.7%
PAE203981	NGO101835	33%	95.9%	95.3%
PAE203981	NME200849	32%	95.9%	95.3%
PAE203981	PMU101032	36%	97.7%	96.5%
PAE203981	PRT102866	37%	96.5%	97.8%
PAE203981	PAE203981	100%	100%	100%
PAE203981	PPU107601	72%	98.2%	99.2%
PAE203981	PSY105070	70%	98.2%	99.2%
PAE203981	SPA102458	37%	73.0%	96.4%
PAE203981	STY101797	40%	93.5%	94.7%
PAE203981	TPA100413	24%	95.1%	93.2%
PAE203981	TPA100249	26%	89.2%	88.5%
PAE203981	VCH100942	39%	94.5%	96.4%
PAE203981	YPS001211	40%	93.3%	93.6%
PAE204021	ABA100605	70%	98.5%	99.1%
PAE204021	BCE105952	74%	95.7%	95.3%
PAE204021	BFU107936	73%	95.5%	94.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204021	BMA105222	76%	92.0%	95.5%
PAE204021	CAC100786	50%	92.0%	94.0%
PAE204021	CDF101327	51%	94.2%	95.6%
PAE204021	EFA201363	49%	95.0%	96.9%
PAE204021	ECO102392	50%	95.0%	94.2%
PAE204021	KPN308452	69%	96.6%	96.8%
PAE204021	LMO101037	51%	95.0%	96.9%
PAE204021	PAE204021	100%	100%	100%
PAE204021	PPU108165	90%	100%	100%
PAE204021	PSY102222	88%	100%	100%
PAE204021	SPA100121	43%	76.3%	100%
PAE204021	STY101536	50%	95.0%	97.1%
PAE204021	SPY100064	60%	46.1%	91.4%
PAE204024	PAE204024	100%	100%	100%
PAE204024	PPU104680	28%	71.7%	96.8%
PAE204024	PSY103650	31%	79.1%	92.4%
PAE204024	VCH101574	31%	72.1%	79.2%
PAE204034	BBU100753	37%	69.5%	68.6%
PAE204034	CBO103609	33%	69.2%	70.7%
PAE204034	CBO101700	38%	70.5%	73.9%
PAE204034	CDF101604	32%	67.9%	69.5%
PAE204034	CDF103540	35%	69.2%	71.9%
PAE204034	CDF103376	33%	71.4%	76.0%
PAE204034	CDP101268	27%	93.8%	96.1%
PAE204034	EFA202336	30%	82.8%	83.6%
PAE204034	EFM201394	28%	70.8%	88.7%
PAE204034	EFM200486	31%	71.1%	72.6%
PAE204034	LMO100319	29%	98.1%	96.3%
PAE204034	LMO100853	31%	87.0%	87.7%
PAE204034	PAE203670	61%	98.7%	98.7%
PAE204034	PAE204034	100%	100%	100%
PAE204034	SAU802341	33%	70.1%	71.6%
PAE204034	SEP100950	31%	71.8%	90.2%
PAE204034	SMU100963	36%	72.7%	73.5%
PAE204034	SPN401237	31%	71.1%	82.1%
PAE204034	SPY201329	34%	71.1%	91.3%
PAE204034	TPA100871	33%	65.9%	75%
PAE204034	UUR100092	34%	68.2%	89.0%
PAE204036	PAE203668	53%	100%	99.7%
PAE204036	PAE204036	100%	100%	100%
PAE204036	TPA100869	21%	73.8%	83.8%
PAE204064	ABA104132	28%	87.9%	85.0%
PAE204064	BPT102085	36%	97.0%	95.8%
PAE204064	BCE101419	24%	91.8%	94.6%
PAE204064	BFU110652	27%	97.0%	95.9%
PAE204064	BMA102714	26%	94.0%	95.9%
PAE204064	EBC101097	45%	88.8%	90.5%
PAE204064	ECO101227	44%	97.8%	98.6%
PAE204064	KPN301099	45%	95.3%	97.2%
PAE204064	PMU100331	41%	96.6%	98.5%
PAE204064	PRT100743	42%	96.1%	98.6%
PAE204064	PAE204064	100%	100%	100%
PAE204064	PPU108105	68%	100%	100%
PAE204064	PSY102225	62%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204064	SPA103429	43%	99.1%	99.5%
PAE204064	STY103017	43%	99.1%	99.5%
PAE204064	VCH103587	44%	96.6%	98.6%
PAE204064	YPS000864	42%	97.8%	98.6%
PAE204067	ABA104145	37%	94.6%	95.4%
PAE204067	BFU102407	27%	88.6%	90.2%
PAE204067	BMA105038	29%	94.0%	91.8%
PAE204067	CBO102403	35%	29.4%	30.1%
PAE204067	CBO101996	36%	29.4%	30.2%
PAE204067	EBC101162	29%	96.8%	97.7%
PAE204067	ECO101355	28%	95.6%	96.7%
PAE204067	KPN300181	27%	20.9%	46.8%
PAE204067	KPN304960	29%	98.1%	98.7%
PAE204067	PAE204067	100%	100%	100%
PAE204078	BMA100911	21%	35.7%	42.4%
PAE204078	EBC100065	26%	35.7%	89.3%
PAE204078	ECO100918	31%	19.2%	37.4%
PAE204078	MTU407268	25%	50.4%	36.6%
PAE204078	PRT101730	23%	47.2%	92.0%
PAE204078	PAE204078	100%	100%	100%
PAE204078	PPU110921	23%	33.1%	36.5%
PAE204078	YPS002776	24%	94.0%	94.6%
PAE204102	PAE204102	100%	100%	100%
PAE204102	PPU111397	53%	97.2%	100%
PAE204103	HIN101567	46%	94.9%	91.5%
PAE204103	NGO100775	52%	97.1%	94.4%
PAE204103	NME200216	51%	97.1%	97.1%
PAE204103	PMU100211	46%	96.4%	95.4%
PAE204103	PAE204103	100%	100%	100%
PAE204103	PPU103701	75%	94.2%	87.2%
PAE204119	BAN101423	35%	65.3%	60.4%
PAE204119	BAN104355	36%	78.4%	70.9%
PAE204119	BPT105862	40%	86.9%	82.2%
PAE204119	BCE110171	39%	77.6%	74.3%
PAE204119	BFU103157	61%	95.8%	98.8%
PAE204119	BMA102951	59%	97.3%	99.6%
PAE204119	CJU100021	32%	76.4%	72.3%
PAE204119	CDF101613	34%	76.4%	70.3%
PAE204119	CDF103166	38%	75.7%	69.7%
PAE204119	CDP100223	35%	81.1%	76.3%
PAE204119	EBC101919	67%	79.5%	2.6%
PAE204119	KPN303993	70%	95.0%	1.3%
PAE204119	LMO102616	32%	81.5%	77.0%
PAE204119	MAV100179	38%	86.5%	81.7%
PAE204119	MBV101328	38%	86.5%	81.5%
PAE204119	MLP101033	37%	86.5%	90.5%
PAE204119	MTU202955	38%	86.5%	90.4%
PAE204119	PMU101529	66%	96.1%	97.6%
PAE204119	PAE204119	100%	100%	100%
PAE204119	SPA104517	75%	78.8%	95.8%
PAE204119	STY103635	75%	82.6%	1.6%
PAE204119	STM102228	75%	82.6%	1.6%
PAE204119	SAU800968	35%	91.1%	81%
PAE204119	SEP200184	36%	91.1%	80.7%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204119	SHA101674	35%	91.9%	80.7%
PAE204119	YPS003019	41%	68.3%	63.2%
PAE204121	BCE102997	61%	91.9%	99.6%
PAE204121	BFU103152	70%	92.2%	98.6%
PAE204121	BMA106487	61%	91.9%	99.6%
PAE204121	CAC102376	27%	50.8%	30.8%
PAE204121	EBC101921	64%	92.5%	100%
PAE204121	KPN303997	65%	92.8%	99.6%
PAE204121	PMU101531	59%	91.9%	100%
PAE204121	PAE204121	100%	100%	100%
PAE204121	SPA100925	59%	90.2%	100%
PAE204121	STY103641	64%	92.5%	100%
PAE204121	STM102231	65%	92.5%	100%
PAE204121	YPS001244	62%	91.9%	98.6%
PAE204122	BCE100122	51%	93.8%	94.6%
PAE204122	BFU107803	41%	61.5%	92.0%
PAE204122	BMA100595	52%	93.8%	94.6%
PAE204122	EBC101922	71%	93.8%	96.8%
PAE204122	KPN303998	66%	93.8%	96.8%
PAE204122	PMU101532	52%	93.8%	96.1%
PAE204122	PAE204122	100%	100%	100%
PAE204122	SPA100926	65%	92.3%	96.7%
PAE204122	STY103643	67%	93.8%	96.8%
PAE204122	STM102232	68%	93.8%	96.8%
PAE204122	VCH102632	25%	86.9%	93.1%
PAE204122	YPS001247	58%	93.8%	92.4%
PAE204129	ABA105849	38%	99.2%	98.5%
PAE204129	BPT100299	40%	98.1%	90.8%
PAE204129	BCE115030	59%	94.5%	100%
PAE204129	BFU109426	60%	98.1%	98.1%
PAE204129	BMA109456	54%	98.7%	98.0%
PAE204129	EBC102662	45%	99.6%	99.6%
PAE204129	EFM101977	34%	27.6%	89.7%
PAE204129	ECO101410	45%	99.2%	99.4%
PAE204129	KPN304036	45%	98.7%	98.7%
PAE204129	LMO100435	28%	91.3%	89.6%
PAE204129	PRT101784	47%	98.3%	98.1%
PAE204129	PAE204129	100%	100%	100%
PAE204129	PPU110179	75%	99.4%	99.8%
PAE204129	PSY104974	72%	99.4%	99.8%
PAE204129	SPA100033	49%	74.3%	99.7%
PAE204129	STY103755	46%	99.6%	98.5%
PAE204129	SAU800108	27%	87.9%	93.4%
PAE204129	VCH103591	45%	99.6%	98.9%
PAE204129	YPS002618	48%	99.6%	98.9%
PAE204130	BAN103246	20%	45.5%	68.5%
PAE204130	ECO202247	24%	31.6%	26.2%
PAE204130	PAE201553	87%	100%	100%
PAE204130	PAE204130	100%	100%	100%
PAE204130	PPU107231	83%	99.8%	98.8%
PAE204130	PSY102496	80%	100%	99.0%
PAE204155	ABA104707	30%	88.7%	91.4%
PAE204155	BAN106461	45%	95.8%	95.1%
PAE204155	BAN106939	50%	97.4%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204155	BCE111947	45%	96.2%	90.8%
PAE204155	BFU104113	46%	95.1%	87.8%
PAE204155	BMA104136	47%	91.7%	82.1%
PAE204155	CJU101278	33%	86.8%	91.2%
PAE204155	CAC102551	45%	94.3%	95.1%
PAE204155	CBO101131	49%	87.9%	89.7%
PAE204155	CBO101508	47%	89.4%	86.2%
PAE204155	CDF102682	45%	89.4%	91.5%
PAE204155	CDP100081	45%	92.1%	90.4%
PAE204155	EBC100144	60%	86.8%	98.7%
PAE204155	EFA202025	38%	94.7%	94.7%
PAE204155	EFM201693	36%	83.4%	87.6%
PAE204155	ECO100578	61%	97.4%	95.6%
PAE204155	HPY100874	28%	82.6%	86.7%
PAE204155	KPN304817	60%	96.2%	97.0%
PAE204155	LMO102143	49%	95.1%	92.3%
PAE204155	MCA100484	33%	87.2%	76.2%
PAE204155	NGO100089	39%	86.8%	90.9%
PAE204155	NME200417	40%	86.8%	90.9%
PAE204155	PMU100128	45%	94.7%	97.7%
PAE204155	PRT102499	36%	86.0%	90.4%
PAE204155	PAE204155	100%	100%	100%
PAE204155	PSY102150	47%	94.7%	95.4%
PAE204155	SPA102129	60%	96.2%	82.8%
PAE204155	STY101358	60%	96.2%	97.0%
PAE204155	STM103175	41%	94.7%	97.4%
PAE204155	SAU800647	49%	95.5%	95.8%
PAE204155	SEP200677	48%	95.1%	95.5%
PAE204155	SHA101591	48%	95.5%	95.8%
PAE204155	SMU100116	36%	84.2%	82.8%
PAE204155	SPN400938	45%	95.8%	96.6%
PAE204155	SPY200282	49%	94.7%	96.9%
PAE204155	UUR100440	28%	88.7%	72.4%
PAE204155	UUR100067	38%	84.9%	77.7%
PAE204155	VCH100766	61%	95.8%	91.4%
PAE204155	YPS002946	54%	95.8%	90.1%
PAE204223	ABA105069	32%	47.4%	76.7%
PAE204223	BAN105613	30%	49.0%	62.7%
PAE204223	BAN109714	28%	23.3%	65.3%
PAE204223	BAN105113	36%	56.5%	98.4%
PAE204223	BAN109456	31%	73.0%	60.3%
PAE204223	BCE110197	68%	50.3%	100%
PAE204223	CDP101614	41%	54.2%	45.1%
PAE204223	PAE204223	100%	100%	100%
PAE204235	ABA100130	80%	93.0%	96%
PAE204235	BAN103288	47%	84.5%	97.5%
PAE204235	BAN102478	47%	84.5%	97.5%
PAE204235	BFR100896	52%	90.7%	72.7%
PAE204235	BPT100897	70%	92.2%	90.8%
PAE204235	BBU100502	43%	93.0%	97.6%
PAE204235	BCE109774	66%	100%	98.5%
PAE204235	BFU101597	68%	100%	100%
PAE204235	BMA104335	71%	92.2%	90.8%
PAE204235	CJU101502	43%	89.9%	99.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204235	CPN200120	42%	89.9%	98.6%
PAE204235	CTR200782	39%	89.9%	98.6%
PAE204235	CAC100809	41%	84.5%	95.6%
PAE204235	CBO102497	42%	84.5%	96.5%
PAE204235	CDF102169	45%	84.5%	96.5%
PAE204235	CDP100024	47%	96.1%	79.6%
PAE204235	EBC103646	75%	99.2%	98.4%
PAE204235	EFA201974	43%	86.0%	98.4%
PAE204235	EFM201685	44%	86.0%	99.2%
PAE204235	ECO103217	75%	99.2%	98.4%
PAE204235	HIN100784	75%	98.4%	96.9%
PAE204235	HPY101274	43%	89.9%	100%
PAE204235	KPN300813	78%	91.5%	92.2%
PAE204235	LMO100340	40%	84.5%	97.8%
PAE204235	MCA100427	84%	92.2%	100%
PAE204235	MAV101006	51%	85.3%	75.3%
PAE204235	MBV100492	50%	85.3%	61.1%
PAE204235	MLP101193	50%	85.3%	64.7%
PAE204235	MTU203409	50%	85.3%	61.1%
PAE204235	MGE100181	33%	82.2%	91.1%
PAE204235	MPN100639	35%	82.2%	90.3%
PAE204235	NGO100883	68%	92.2%	97.5%
PAE204235	NME200096	68%	92.2%	97.5%
PAE204235	PMU101389	78%	92.2%	92.2%
PAE204235	PRT101773	74%	100%	100%
PAE204235	PAE204235	100%	100%	100%
PAE204235	PPU104535	94%	100%	100%
PAE204235	PSY105785	93%	100%	100%
PAE204235	SPA104312	74%	99.2%	98.4%
PAE204235	STY101829	75%	99.2%	98.4%
PAE204235	SAU802223	45%	84.5%	97.5%
PAE204235	SEP202058	45%	84.5%	97.5%
PAE204235	SHA100503	45%	85.3%	97.6%
PAE204235	SMU100584	43%	84.5%	97.7%
PAE204235	SPN400216	42%	84.5%	97.7%
PAE204235	SPY101855	42%	84.5%	97.7%
PAE204235	TPA100211	52%	90.7%	71.3%
PAE204235	UUR100260	41%	81.4%	93.3%
PAE204235	VCH102533	76%	99.2%	98.4%
PAE204235	YPS002494	74%	100%	100%
PAE204241	ABA100105	64%	93.7%	93.1%
PAE204241	BAN100422	41%	49.3%	95.7%
PAE204241	BAN100831	32%	89.4%	92.7%
PAE204241	BAN109756	41%	94.6%	97.7%
PAE204241	BAN106840	40%	94.1%	97.7%
PAE204241	BFR12413	40%	95.2%	95.1%
PAE204241	BPT100873	64%	99.5%	99.8%
PAE204241	BBU100497	34%	92.8%	94.9%
PAE204241	BCE109015	63%	93.2%	98.4%
PAE204241	BFU100380	60%	99.5%	98.4%
PAE204241	BMA107419	64%	93.2%	98.3%
PAE204241	CJU101592	42%	91.9%	96.0%
PAE204241	CPN200116	37%	95.2%	96.5%
PAE204241	CTR200786	38%	95.2%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204241	CAC102097	36%	95.9%	99.8%
PAE204241	CBO103220	38%	95.7%	99.8%
PAE204241	CDF103985	39%	92.5%	96.2%
PAE204241	CDP100001	41%	93.7%	97.7%
PAE204241	EBC103637	65%	98.9%	99.8%
PAE204241	EFA201979	38%	94.1%	97.7%
PAE204241	EFM200235	37%	92.8%	96.5%
PAE204241	ECO103223	65%	98.9%	99.8%
PAE204241	HIN100778	60%	98.9%	99.8%
PAE204241	HPY101282	42%	93.2%	97.4%
PAE204241	KPN300616	59%	79.4%	100%
PAE204241	LPN101432	56%	82.4%	99.2%
PAE204241	LMO101544	40%	93.9%	97.7%
PAE204241	MCA100141	61%	92.3%	92.7%
PAE204241	MAV102070	40%	93.4%	94.7%
PAE204241	MBV101627	40%	93.4%	97.3%
PAE204241	MLP101115	40%	93.4%	97.3%
PAE204241	MTU200729	40%	93.4%	97.3%
PAE204241	MGE100173	35%	90.7%	86.3%
PAE204241	MPN100647	35%	90.7%	86.0%
PAE204241	NGO100896	52%	98.6%	99.3%
PAE204241	NME200103	53%	98.6%	99.3%
PAE204241	PMU101395	62%	98.9%	99.8%
PAE204241	PRT100105	69%	48.0%	99.1%
PAE204241	PAE204241	100%	100%	100%
PAE204241	PPU112340	92%	100%	100%
PAE204241	PSY100299	94%	100%	100%
PAE204241	SPA104324	64%	95.7%	100%
PAE204241	STY101824	65%	98.9%	99.8%
PAE204241	SAU802230	38%	92.5%	96.0%
PAE204241	SEP200245	39%	92.5%	96.0%
PAE204241	SHA100178	36%	81.0%	98.4%
PAE204241	SMU100598	36%	92.3%	95.2%
PAE204241	SPN400209	36%	94.1%	97.0%
PAE204241	SPY200057	36%	93.0%	95.9%
PAE204241	TPA100206	37%	96.2%	94.9%
PAE204241	UUR100252	32%	89.6%	87.5%
PAE204241	VCH102539	65%	96.6%	97.3%
PAE204241	YPS002488	65%	98.6%	99.5%
PAE204242	ABA100106	62%	100%	98.6%
PAE204242	BAN100388	37%	99.3%	98.6%
PAE204242	BAN101282	46%	99.3%	98.6%
PAE204242	BFR100671	40%	97.2%	96.6%
PAE204242	BPT100871	59%	97.2%	95.9%
PAE204242	BBU100496	36%	93.8%	94.5%
PAE204242	BCE108533	55%	100%	100%
PAE204242	BFU100391	56%	100%	100%
PAE204242	BMA101533	55%	100%	100%
PAE204242	CJU101593	39%	74.3%	82.3%
PAE204242	CPN200115	44%	80.6%	82.6%
PAE204242	CTR200787	40%	94.4%	97.9%
PAE204242	CAC101804	43%	99.3%	98.6%
PAE204242	CBO103582	45%	99.3%	98.6%
PAE204242	CDF100735	44%	99.3%	96.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204242	CDP101730	39%	97.2%	93.9%
PAE204242	EBC103640	64%	100%	100%
PAE204242	EFA201980	45%	99.3%	98.6%
PAE204242	EFM201975	44%	99.3%	98.6%
PAE204242	ECO103224	64%	100%	100%
PAE204242	HIN100777	63%	100%	100%
PAE204242	HPY101283	59%	45.8%	48.9%
PAE204242	KPN300615	63%	96.5%	100%
PAE204242	LPN100259	53%	100%	100%
PAE204242	LMO102003	43%	99.3%	98.6%
PAE204242	MCA100140	62%	100%	98.6%
PAE204242	MAV102081	34%	97.2%	95.2%
PAE204242	MBV101609	36%	97.2%	95.2%
PAE204242	MLP101118	36%	97.2%	95.2%
PAE204242	MTU200720	36%	97.2%	95.2%
PAE204242	MGE100172	40%	71.5%	70.7%
PAE204242	MPN100648	38%	97.2%	95.4%
PAE204242	NGO100899	58%	99.3%	99.3%
PAE204242	NME200104	58%	99.3%	99.3%
PAE204242	PMU101396	63%	100%	100%
PAE204242	PRT103332	63%	100%	100%
PAE204242	PAE204242	100%	100%	100%
PAE204242	PPU104529	88%	100%	100%
PAE204242	PSY107337	86%	100%	100%
PAE204242	SPA104326	65%	100%	100%
PAE204242	STY101823	65%	100%	100%
PAE204242	SAU802231	42%	99.3%	98.6%
PAE204242	SEP200247	42%	99.3%	98.6%
PAE204242	SHA100093	51%	59.7%	100%
PAE204242	SMU100599	42%	99.3%	98.6%
PAE204242	SPN400208	43%	99.3%	98.6%
PAE204242	SPY200056	44%	99.3%	98.6%
PAE204242	TPA100205	36%	92.4%	88.9%
PAE204242	UUR100251	37%	95.1%	91.9%
PAE204242	VCH102540	64%	100%	100%
PAE204242	YPS002485	68%	100%	100%
PAE204243	ABA100108	70%	98.3%	98.3%
PAE204243	BAN104365	40%	93.1%	90%
PAE204243	BFR100963	39%	96.6%	96.6%
PAE204243	BPT104115	52%	91.4%	86.9%
PAE204243	BFU104042	62%	93.1%	85.7%
PAE204243	BMA107387	62%	96.6%	88.9%
PAE204243	CAC103086	54%	98.3%	100%
PAE204243	CBO100965	54%	98.3%	96.6%
PAE204243	CDF102795	42%	96.6%	91.8%
PAE204243	CDP102962	40%	93.1%	88.5%
PAE204243	EBC103644	56%	94.8%	93.2%
PAE204243	EFA205229	42%	98.3%	96.6%
PAE204243	EFM200795	43%	98.3%	96.6%
PAE204243	ECO103225	56%	94.8%	93.2%
PAE204243	HIN100776	58%	94.8%	93.2%
PAE204243	KPN300492	53%	93.1%	94.7%
PAE204243	LPN102267	50%	93.1%	88.5%
PAE204243	LMO100063	40%	98.3%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204243	MCA102911	64%	98.3%	96.6%
PAE204243	MAV102080	37%	96.6%	78.9%
PAE204243	MBV101607	36%	98.3%	87.7%
PAE204243	MLP101119	38%	98.3%	80.3%
PAE204243	MTU200719	36%	98.3%	87.7%
PAE204243	NGO102470	68%	93.1%	88.5%
PAE204243	NME200105	70%	93.1%	88.5%
PAE204243	PMU101397	56%	94.8%	93.2%
PAE204243	PRT100559	60%	94.8%	90.2%
PAE204243	PAE204243	100%	100%	100%
PAE204243	PPU108173	86%	100%	100%
PAE204243	PSY107474	81%	100%	100%
PAE204243	SPA106249	54%	94.8%	93.2%
PAE204243	STY105107	54%	94.8%	93.2%
PAE204243	SAU802232	42%	98.3%	96.6%
PAE204243	SEP202555	42%	98.3%	95%
PAE204243	SHA100092	43%	98.3%	96.6%
PAE204243	SMU102834	40%	98.3%	95%
PAE204243	SPN400207	40%	98.3%	95%
PAE204243	SPY200055	38%	98.3%	95%
PAE204243	VCH102541	66%	98.3%	98.3%
PAE204243	YPS004281	60%	94.8%	93.2%
PAE204244	ABA100109	80%	99.4%	98.8%
PAE204244	BAN111381	54%	92.2%	92.7%
PAE204244	BAN112822	56%	92.2%	92.2%
PAE204244	BFR10783	48%	91.6%	88.4%
PAE204244	BPT100869	59%	97.6%	94.7%
PAE204244	BBU100494	47%	92.2%	92.7%
PAE204244	BCE102110	63%	75.3%	91.9%
PAE204244	BFU100390	62%	96.4%	93.0%
PAE204244	BMA101481	63%	96.4%	94.7%
PAE204244	CJU101594	48%	84.9%	95.9%
PAE204244	CPN200114	40%	98.8%	98.8%
PAE204244	CTR200788	42%	95.2%	95.8%
PAE204244	CAC100146	54%	92.2%	92.7%
PAE204244	CBO100463	52%	92.2%	92.7%
PAE204244	CDF100733	54%	92.2%	90.5%
PAE204244	CDP101728	55%	98.2%	78.4%
PAE204244	EBC103648	77%	100%	99.4%
PAE204244	EFA201981	52%	92.2%	92.2%
PAE204244	EFM200438	50%	92.2%	92.2%
PAE204244	ECO103226	77%	100%	98.8%
PAE204244	HIN100775	73%	98.8%	98.8%
PAE204244	HPY101284	49%	88.0%	95.4%
PAE204244	KPN300491	76%	100%	98.8%
PAE204244	LPN100995	63%	100%	98.8%
PAE204244	LMO101368	52%	92.2%	91.6%
PAE204244	MCA100160	80%	100%	99.4%
PAE204244	MAV102079	55%	92.8%	68.4%
PAE204244	MBV101605	55%	92.8%	70%
PAE204244	MLP101120	56%	89.2%	68.2%
PAE204244	MTU200718	55%	92.8%	70%
PAE204244	MGE100171	41%	91.6%	72.0%
PAE204244	MPN100649	38%	98.2%	77.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204244	NGO100919	56%	100%	97.1%
PAE204244	NME200106	56%	100%	97.1%
PAE204244	PMU101398	75%	100%	99.4%
PAE204244	PRT100558	74%	100%	99.4%
PAE204244	PAE204244	100%	100%	100%
PAE204244	PPU104527	93%	99.4%	99.4%
PAE204244	PSY105833	91%	100%	100%
PAE204244	SPA104328	77%	100%	98.8%
PAE204244	STY101822	77%	100%	98.8%
PAE204244	SAU802233	52%	99.4%	98.8%
PAE204244	SEP200249	52%	99.4%	98.8%
PAE204244	SHA100091	52%	99.4%	98.8%
PAE204244	SMU100600	53%	91.6%	92.7%
PAE204244	SPN400206	52%	91.6%	92.7%
PAE204244	SPY200054	54%	91.6%	92.7%
PAE204244	TPA100204	47%	97.0%	93.6%
PAE204244	UUR100250	46%	91.6%	75.4%
PAE204244	VCH102542	68%	99.4%	98.8%
PAE204244	YPS002482	79%	92.2%	91.6%
PAE204245	ABA100110	75%	100%	100%
PAE204245	BAN106991	57%	97.4%	95%
PAE204245	BFR100058	48%	77.6%	100%
PAE204245	BPT100868	57%	97.4%	98.3%
PAE204245	BBU100493	36%	94.8%	92.4%
PAE204245	BCE113907	57%	97.4%	98.3%
PAE204245	BFU100389	58%	97.4%	98.3%
PAE204245	BMA109275	57%	97.4%	98.3%
PAE204245	CJU101595	33%	95.7%	91.5%
PAE204245	CPN200113	43%	97.4%	94.3%
PAE204245	CTR200789	47%	96.6%	91.1%
PAE204245	CAC102283	53%	97.4%	97.4%
PAE204245	CBO100811	47%	97.4%	92.6%
PAE204245	CDF103929	45%	97.4%	95.1%
PAE204245	CDP101725	51%	97.4%	84.4%
PAE204245	EBC103652	59%	97.4%	98.3%
PAE204245	EFA201982	51%	97.4%	94.9%
PAE204245	EFM200146	52%	97.4%	94.9%
PAE204245	ECO103227	59%	97.4%	98.3%
PAE204245	HIN100774	62%	97.4%	98.3%
PAE204245	HPY101285	37%	94.8%	91.6%
PAE204245	KPN300490	59%	97.4%	98.3%
PAE204245	LPN101342	55%	97.4%	98.3%
PAE204245	LMO102391	54%	97.4%	95.0%
PAE204245	MCA100159	69%	97.4%	97.4%
PAE204245	MAV102077	44%	99.1%	85.9%
PAE204245	MBV101604	47%	99.1%	95.1%
PAE204245	MLP101121	43%	99.1%	95.9%
PAE204245	MTU200717	47%	99.1%	95.1%
PAE204245	MGE100170	35%	97.4%	95.7%
PAE204245	MPN100650	42%	98.3%	100%
PAE204245	NGO100921	63%	97.4%	98.3%
PAE204245	NME200107	63%	97.4%	98.3%
PAE204245	PMU101399	61%	97.4%	98.3%
PAE204245	PRT100557	57%	97.4%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204245	PAE204245	100%	100%	100%
PAE204245	PPU104526	88%	100%	100%
PAE204245	PSY105780	89%	84.5%	100%
PAE204245	SPA104494	51%	97.4%	98.3%
PAE204245	STY101821	59%	97.4%	98.3%
PAE204245	SAU802234	48%	97.4%	95.0%
PAE204245	SEP200251	50%	97.4%	95%
PAE204245	SHA100055	49%	97.4%	95%
PAE204245	SMU100601	52%	97.4%	94.9%
PAE204245	SPN400205	53%	97.4%	94.9%
PAE204245	SPY200053	54%	97.4%	94.9%
PAE204245	TPA100203	37%	94.0%	92.5%
PAE204245	UUR100249	42%	97.4%	94.2%
PAE204245	VCH102543	63%	97.4%	98.3%
PAE204245	YPS002455	57%	97.4%	98.3%
PAE204246	ABA100111	59%	100%	100%
PAE204246	BAN102950	46%	98.9%	99.4%
PAE204246	BAN110172	50%	98.9%	98.3%
PAE204246	BFR10781	42%	98.9%	97.4%
PAE204246	BPT100867	59%	100%	100%
PAE204246	BBU100492	40%	98.9%	97.2%
PAE204246	BCE105068	57%	100%	100%
PAE204246	BFU100388	59%	100%	100%
PAE204246	BMA103347	58%	100%	100%
PAE204246	CJU101596	53%	98.9%	97.8%
PAE204246	CPN200112	44%	98.9%	96.2%
PAE204246	CTR200790	46%	98.9%	96.2%
PAE204246	CAC101071	48%	98.9%	98.3%
PAE204246	CBO102597	47%	98.9%	97.8%
PAE204246	CDF100753	49%	98.9%	97.8%
PAE204246	CDP101722	44%	98.9%	98.3%
PAE204246	EBC103655	62%	100%	100%
PAE204246	EFA201983	49%	98.9%	98.3%
PAE204246	EFM201241	46%	98.9%	98.3%
PAE204246	ECO103228	62%	100%	100%
PAE204246	HIN100773	65%	100%	100%
PAE204246	HPY101286	50%	98.9%	97.8%
PAE204246	KPN300489	82%	19.8%	100%
PAE204246	LPN100869	53%	100%	100%
PAE204246	LMO102101	48%	98.9%	98.3%
PAE204246	MCA100158	58%	100%	100%
PAE204246	MAV102075	47%	98.9%	98.3%
PAE204246	MBV101643	46%	98.9%	98.3%
PAE204246	MLP101122	46%	98.9%	98.3%
PAE204246	MTU200716	46%	98.9%	98.3%
PAE204246	MGE100169	42%	98.9%	96.7%
PAE204246	MPN100651	43%	98.9%	96.7%
PAE204246	NGO100923	62%	100%	100%
PAE204246	NME200108	62%	100%	100%
PAE204246	PMU101400	67%	100%	100%
PAE204246	PRT100556	62%	100%	100%
PAE204246	PAE204246	100%	100%	100%
PAE204246	PPU104525	90%	100%	100%
PAE204246	PSY100295	88%	100%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204246	SPA104330	62%	100%	100%
PAE204246	STY101820	62%	100%	100%
PAE204246	SAU802235	43%	98.9%	98.3%
PAE204246	SEP200253	44%	98.9%	98.3%
PAE204246	SHA100054	54%	58.8%	97.2%
PAE204246	SMU100602	46%	98.9%	98.3%
PAE204246	SPN400204	46%	98.9%	98.3%
PAE204246	SPY200052	44%	98.9%	98.3%
PAE204246	TPA100202	38%	98.9%	97.8%
PAE204246	UUR100248	39%	98.9%	96.7%
PAE204246	VCH102544	62%	100%	100%
PAE204246	YPS002454	66%	100%	100%
PAE204247	ABA100112	67%	99.2%	99.2%
PAE204247	BAN113611	49%	96.9%	94.1%
PAE204247	BAN101892	49%	100%	100%
PAE204247	BFR10780	44%	98.5%	100%
PAE204247	BPT100866	64%	99.2%	99.2%
PAE204247	BBU100491	33%	100%	100%
PAE204247	BCE101537	65%	99.2%	99.2%
PAE204247	BFU100387	66%	99.2%	99.2%
PAE204247	BMA101128	65%	99.2%	99.2%
PAE204247	CJU101597	41%	98.5%	99.2%
PAE204247	CPN200111	42%	96.9%	96.2%
PAE204247	CTR200791	41%	96.9%	96.2%
PAE204247	CAC102421	50%	100%	100%
PAE204247	CBO102964	50%	100%	100%
PAE204247	CDF100752	46%	100%	100%
PAE204247	CDP101719	53%	100%	100%
PAE204247	EBC103658	63%	99.2%	99.2%
PAE204247	EFA201984	46%	100%	100%
PAE204247	EFM200970	44%	100%	100%
PAE204247	ECO103229	64%	99.2%	99.2%
PAE204247	HIN100772	64%	99.2%	99.2%
PAE204247	HPY101287	40%	98.5%	99.2%
PAE204247	KPN300573	62%	86.9%	98.3%
PAE204247	LPN100471	55%	99.2%	99.2%
PAE204247	LMO100791	49%	100%	100%
PAE204247	MCA100157	57%	99.2%	99.2%
PAE204247	MAV102073	50%	100%	100%
PAE204247	MBV101642	51%	100%	100%
PAE204247	MLP101123	49%	100%	100%
PAE204247	MTU200715	51%	100%	100%
PAE204247	MGE100168	44%	96.9%	92.2%
PAE204247	MPN100652	46%	96.9%	91.5%
PAE204247	NGO100925	67%	99.2%	99.2%
PAE204247	NME200109	67%	99.2%	99.2%
PAE204247	PMU101401	66%	99.2%	99.2%
PAE204247	PRT100555	65%	99.2%	99.2%
PAE204247	PAE204247	100%	100%	100%
PAE204247	PPU108197	87%	100%	100%
PAE204247	PSY108276	90%	100%	100%
PAE204247	SPA104332	64%	99.2%	99.2%
PAE204247	STY101809	64%	99.2%	99.2%
PAE204247	SAU802236	43%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204247	SEP200255	43%	100%	100%
PAE204247	SHA101609	39%	72.3%	100%
PAE204247	SMU100603	47%	100%	100%
PAE204247	SPN400203	46%	100%	100%
PAE204247	SPY200051	43%	100%	100%
PAE204247	TPA100201	46%	100%	100%
PAE204247	UUR100247	43%	96.9%	97.7%
PAE204247	VCH102545	66%	99.2%	99.2%
PAE204247	YPS002453	65%	99.2%	99.2%
PAE204248	ABA100113	72%	100%	100%
PAE204248	BAN104895	56%	38.6%	63.9%
PAE204248	BAN100258	56%	38.6%	63.9%
PAE204248	BFR103418	48%	95.0%	100%
PAE204248	BPT104100	58%	100%	100%
PAE204248	BBU100490	45%	43.6%	59.5%
PAE204248	BCE114286	56%	100%	100%
PAE204248	BFU100386	57%	100%	100%
PAE204248	BMA106945	58%	100%	100%
PAE204248	CJU101598	51%	42.6%	70.5%
PAE204248	CPN200907	48%	100%	100%
PAE204248	CTR200165	51%	100%	100%
PAE204248	CAC102855	38%	61.4%	88.5%
PAE204248	CBO101206	41%	61.4%	88.5%
PAE204248	CDF102552	41%	55.4%	91.8%
PAE204248	CDP100129	54%	100%	100%
PAE204248	EBC103661	68%	100%	100%
PAE204248	EFA201445	41%	100%	100%
PAE204248	EFA203574	44%	100%	100%
PAE204248	EFM201806	44%	57.4%	93.4%
PAE204248	ECO103230	69%	100%	100%
PAE204248	HIN100771	63%	100%	100%
PAE204248	HPY101288	55%	42.6%	70.5%
PAE204248	KPN300574	67%	100%	100%
PAE204248	LPN101663	42%	100%	100%
PAE204248	LMO102736	48%	100%	100%
PAE204248	MCA100105	69%	100%	100%
PAE204248	MAV102072	51%	44.6%	73.8%
PAE204248	MBV100099	53%	100%	100%
PAE204248	MLP101124	53%	38.6%	63.9%
PAE204248	MTU202023	53%	100%	100%
PAE204248	MGE100167	39%	52.5%	85.2%
PAE204248	MPN100653	42%	44.6%	73.8%
PAE204248	NGO100927	56%	100%	100%
PAE204248	NME200110	56%	100%	100%
PAE204248	PMU101402	65%	100%	100%
PAE204248	PRT100554	66%	100%	100%
PAE204248	PAE204248	100%	100%	100%
PAE204248	PPU109128	86%	100%	100%
PAE204248	PSY100242	86%	100%	100%
PAE204248	SPA104333	64%	100%	100%
PAE204248	STY101808	67%	100%	100%
PAE204248	SAU801336	44%	100%	100%
PAE204248	SEP201993	45%	100%	100%
PAE204248	SHA100036	43%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204248	SMU102003	46%	57.4%	93.4%
PAE204248	SPN400202	53%	100%	100%
PAE204248	SPY201440	38%	100%	100%
PAE204248	TPA100200	46%	44.6%	73.8%
PAE204248	UUR100246	44%	55.4%	90.2%
PAE204248	VCH102546	66%	100%	100%
PAE204248	YPS002452	65%	100%	100%
PAE204249	ABA100107	77%	85.5%	100%
PAE204249	BAN113536	55%	97.8%	97.8%
PAE204249	BAN110693	61%	99.4%	99.4%
PAE204249	BFR10778	54%	99.4%	95.7%
PAE204249	BPT100865	68%	100%	100%
PAE204249	BBU100489	53%	98.3%	96.7%
PAE204249	BCE101479	71%	100%	100%
PAE204249	BFU100385	72%	100%	100%
PAE204249	BMA102975	71%	100%	100%
PAE204249	CJU101599	49%	98.9%	97.8%
PAE204249	CPN200110	51%	99.4%	98.3%
PAE204249	CTR200792	49%	99.4%	98.3%
PAE204249	CAC100782	58%	97.8%	97.2%
PAE204249	CBO103765	58%	98.9%	98.3%
PAE204249	CDF100751	60%	98.3%	97.8%
PAE204249	CDP101582	59%	98.3%	94.1%
PAE204249	EBC103664	67%	99.4%	99.4%
PAE204249	EFA201985	58%	99.4%	99.4%
PAE204249	EFM200921	58%	99.4%	99.4%
PAE204249	ECO103231	68%	99.4%	99.4%
PAE204249	HIN100770	67%	99.4%	99.4%
PAE204249	HPY101289	48%	98.9%	97.8%
PAE204249	KPN300575	73%	78.8%	99.3%
PAE204249	LPN102846	69%	41.9%	94.9%
PAE204249	LMO101852	55%	99.4%	99.4%
PAE204249	MCA100155	68%	99.4%	100%
PAE204249	MAV102069	63%	98.3%	94.1%
PAE204249	MBV101640	63%	98.3%	94.1%
PAE204249	MLP101125	62%	98.3%	94.1%
PAE204249	MTU200713	63%	98.3%	94.1%
PAE204249	MGE100166	52%	98.9%	98.3%
PAE204249	MPN100654	53%	98.3%	97.8%
PAE204249	NGO100929	69%	99.4%	99.4%
PAE204249	NME200111	70%	99.4%	99.4%
PAE204249	PMU101403	67%	99.4%	99.4%
PAE204249	PRT100553	69%	99.4%	93.7%
PAE204249	PAE204249	100%	100%	100%
PAE204249	PPU104523	93%	100%	100%
PAE204249	PSY100243	97%	46.9%	100%
PAE204249	SPA104334	68%	99.4%	99.4%
PAE204249	STY101807	68%	99.4%	99.4%
PAE204249	SAU802238	60%	99.4%	99.4%
PAE204249	SEP200260	58%	99.4%	99.4%
PAE204249	SHA100780	58%	99.4%	99.4%
PAE204249	SMU100604	60%	97.8%	97.2%
PAE204249	SPN400201	61%	97.8%	97.2%
PAE204249	SPY200049	60%	97.8%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204249	TPA100199	54%	97.8%	94.6%
PAE204249	UUR100245	50%	99.4%	96.7%
PAE204249	VCH102547	67%	99.4%	99.4%
PAE204249	YPS002451	68%	99.4%	99.4%
PAE204250	ABA102168	59%	88.5%	100%
PAE204250	BAN110382	54%	87.5%	88.3%
PAE204250	BAN104944	52%	91.3%	92.2%
PAE204250	BFR103505	45%	96.2%	95.3%
PAE204250	BPT104094	53%	100%	98.1%
PAE204250	BBU100488	33%	90.4%	91.1%
PAE204250	BCE110380	58%	94.2%	94.1%
PAE204250	BFU100383	54%	100%	100%
PAE204250	BMA108868	60%	94.2%	94.1%
PAE204250	CJU101600	44%	65.4%	88.3%
PAE204250	CPN200109	39%	87.5%	79.3%
PAE204250	CTR200793	48%	61.5%	55.9%
PAE204250	CAC102906	40%	89.4%	88.7%
PAE204250	CBO100250	44%	89.4%	89.5%
PAE204250	CDF103678	51%	96.2%	98.0%
PAE204250	CDP101580	41%	96.2%	99.0%
PAE204250	EBC103629	67%	97.1%	97.1%
PAE204250	EFA205255	48%	91.3%	92.2%
PAE204250	EFM201757	51%	91.3%	92.2%
PAE204250	ECO103232	65%	97.1%	97.1%
PAE204250	HIN100769	62%	94.2%	95.1%
PAE204250	HPY101290	46%	64.4%	91.8%
PAE204250	KPN305017	65%	97.1%	97.1%
PAE204250	LMO101665	46%	91.3%	92.2%
PAE204250	MCA100154	57%	98.1%	97.1%
PAE204250	MAV102067	48%	96.2%	99.0%
PAE204250	MBV101639	43%	96.2%	99.0%
PAE204250	MLP101126	45%	96.2%	99.0%
PAE204250	MTU200712	43%	96.2%	99.0%
PAE204250	MGE100165	34%	98.1%	100%
PAE204250	MPN100655	36%	94.2%	96.4%
PAE204250	NGO100931	57%	93.3%	93.5%
PAE204250	NME200112	58%	93.3%	93.5%
PAE204250	PMU101404	63%	94.2%	95.1%
PAE204250	PRT103501	61%	34.6%	92.3%
PAE204250	PAE204250	100%	100%	100%
PAE204250	PPU104522	90%	100%	100%
PAE204250	PSY100105	89%	100%	100%
PAE204250	SPA104335	64%	97.1%	97.1%
PAE204250	STY101806	66%	97.1%	97.1%
PAE204250	SAU802239	49%	97.1%	96.2%
PAE204250	SEP200261	50%	97.1%	96.2%
PAE204250	SHA101599	45%	63.5%	91.5%
PAE204250	SMU100605	50%	91.3%	93.1%
PAE204250	SPN400200	46%	91.3%	93.1%
PAE204250	SPY200048	50%	91.3%	93.1%
PAE204250	TPA100198	51%	92.3%	91.3%
PAE204250	UUR100244	38%	94.2%	91.8%
PAE204250	VCH102548	64%	96.2%	95.2%
PAE204250	YPS002450	64%	97.1%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204251	ABA102167	82%	91.0%	96.5%
PAE204251	BAN108009	68%	100%	100%
PAE204251	BFR100659	63%	100%	100%
PAE204251	BPT100864	81%	100%	100%
PAE204251	BBU100487	58%	100%	98.4%
PAE204251	BCE113728	81%	100%	100%
PAE204251	BFU100381	81%	100%	100%
PAE204251	BMA101057	81%	100%	100%
PAE204251	CJU101601	69%	100%	100%
PAE204251	CPN200108	54%	100%	100%
PAE204251	CTR200794	57%	100%	100%
PAE204251	CAC101685	63%	100%	100%
PAE204251	CBO100636	62%	100%	100%
PAE204251	CDF102312	66%	100%	100%
PAE204251	CDP101578	68%	100%	100%
PAE204251	EBC103643	85%	100%	100%
PAE204251	EFA201986	66%	100%	100%
PAE204251	EFM201996	67%	100%	100%
PAE204251	ECO103233	85%	100%	100%
PAE204251	HIN100768	84%	100%	100%
PAE204251	HPY101291	64%	100%	100%
PAE204251	KPN305016	83%	67.2%	100%
PAE204251	LMO100716	64%	100%	100%
PAE204251	MCA100153	83%	100%	100%
PAE204251	MAV102065	65%	100%	100%
PAE204251	MBV101638	65%	100%	100%
PAE204251	MLP101127	64%	92.6%	100%
PAE204251	MTU200711	65%	100%	100%
PAE204251	MGE100164	54%	100%	100%
PAE204251	MPN100656	55%	100%	100%
PAE204251	NGO100934	81%	100%	100%
PAE204251	NME200113	81%	100%	100%
PAE204251	PMU101405	84%	100%	100%
PAE204251	PRT103251	83%	96.7%	99.2%
PAE204251	PAE204251	100%	100%	100%
PAE204251	PPU108200	98%	100%	100%
PAE204251	PSY100106	98%	100%	100%
PAE204251	SPA104303	84%	100%	100%
PAE204251	STY101805	84%	100%	100%
PAE204251	SAU802240	66%	100%	100%
PAE204251	SEP200262	68%	100%	100%
PAE204251	SHA100778	67%	100%	85.3%
PAE204251	SMU100606	65%	100%	100%
PAE204251	SPN400199	65%	100%	100%
PAE204251	SPY200047	63%	100%	100%
PAE204251	TPA100197	63%	100%	100%
PAE204251	UUR100243	57%	100%	100%
PAE204251	VCH102549	83%	100%	100%
PAE204251	YPS002449	85%	100%	100%
PAE204252	BAN105005	61%	88.6%	89.7%
PAE204252	BFR100428	56%	94.3%	97.6%
PAE204252	BPT104067	60%	94.3%	89.2%
PAE204252	BBU100486	49%	92.0%	96.4%
PAE204252	BCE100913	74%	87.5%	85.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204252	BFU103897	82%	39.8%	77.8%
PAE204252	BMA102592	70%	87.5%	85.6%
PAE204252	CJU101602	44%	89.8%	95.2%
PAE204252	CPN200107	44%	92.0%	93.0%
PAE204252	CTR200795	52%	84.1%	88.0%
PAE204252	CAC101333	58%	87.5%	91.7%
PAE204252	CBO101908	57%	87.5%	91.7%
PAE204252	CDF102812	55%	95.5%	97.6%
PAE204252	CDP102662	55%	84.1%	80.4%
PAE204252	EBC103647	70%	89.8%	94.0%
PAE204252	EFA205257	53%	97.7%	90.5%
PAE204252	EFM201704	51%	97.7%	97.7%
PAE204252	ECO103234	70%	89.8%	94.0%
PAE204252	HIN100766	62%	89.8%	92.9%
PAE204252	HPY101292	44%	84.1%	86.0%
PAE204252	KPN204999	69%	89.8%	94.0%
PAE204252	LMO101712	57%	88.6%	89.7%
PAE204252	MCA101811	59%	92.0%	90%
PAE204252	MAV102052	53%	87.5%	65.8%
PAE204252	MBV101010	51%	87.5%	56.6%
PAE204252	MLP101128	53%	83.0%	57.5%
PAE204252	MTU200707	51%	87.5%	56.6%
PAE204252	MGE100163	47%	87.5%	91.8%
PAE204252	MPN100657	47%	87.5%	91.8%
PAE204252	NGO102122	66%	90.9%	92.0%
PAE204252	NME200114	67%	90.9%	92.0%
PAE204252	PMU101406	62%	89.8%	92.9%
PAE204252	PRT103498	61%	76.1%	98.5%
PAE204252	PAE204252	100%	100%	100%
PAE204252	PPU104520	87%	100%	97.8%
PAE204252	PSY107655	89%	100%	100%
PAE204252	SPA104305	56%	89.8%	94.0%
PAE204252	STY101804	69%	89.8%	94.0%
PAE204252	SAU802241	53%	88.6%	89.7%
PAE204252	SEP200263	57%	88.6%	89.7%
PAE204252	SHA100777	53%	88.6%	89.7%
PAE204252	SMU100607	57%	93.2%	95.3%
PAE204252	SPN400198	56%	88.6%	90.7%
PAE204252	SPY200046	57%	88.6%	90.7%
PAE204252	TPA100196	59%	87.5%	91.7%
PAE204252	UUR100242	53%	87.5%	91.7%
PAE204252	VCH102550	73%	88.6%	92.9%
PAE204252	YPS002447	68%	89.8%	94.0%
PAE204253	BAN110808	38%	95.2%	90.9%
PAE204253	BPT104063	55%	100%	100%
PAE204253	BCE113660	52%	100%	98.4%
PAE204253	BFU103895	52%	100%	96.9%
PAE204253	BMA106564	53%	100%	98.4%
PAE204253	CJU101603	36%	92.1%	95.1%
PAE204253	CTR200796	35%	88.9%	79.2%
PAE204253	CAC100885	50%	95.2%	89.6%
PAE204253	CBO100087	42%	88.9%	80%
PAE204253	CDF101032	46%	95.2%	84.5%
PAE204253	CDP102152	48%	92.1%	76.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204253	EBC103651	72%	98.4%	98.4%
PAE204253	EFA205258	42%	96.8%	98.4%
PAE204253	EFM200524	44%	96.8%	98.4%
PAE204253	ECO103235	75%	98.4%	98.4%
PAE204253	HIN100765	65%	100%	100%
PAE204253	HPY101293	34%	92.1%	87.9%
PAE204253	KPN205610	74%	98.4%	98.4%
PAE204253	LMO100756	40%	95.2%	95.2%
PAE204253	MCA100557	48%	95.2%	92.3%
PAE204253	MAV108778	46%	88.9%	72.7%
PAE204253	MBV101011	46%	88.9%	72.7%
PAE204253	MLP101129	48%	88.9%	69.1%
PAE204253	MTU200706	46%	88.9%	72.7%
PAE204253	MPN100658	34%	92.1%	52.3%
PAE204253	NGO103266	65%	100%	100%
PAE204253	NME200115	65%	100%	100%
PAE204253	PMU101407	65%	100%	100%
PAE204253	PRT104948	71%	71.4%	97.8%
PAE204253	PAE204253	100%	100%	100%
PAE204253	PPU108202	96%	100%	98.4%
PAE204253	PSY103398	96%	100%	98.4%
PAE204253	SPA104959	80%	47.6%	71.4%
PAE204253	STY107537	74%	98.4%	98.4%
PAE204253	SAU802242	40%	95.2%	87.0%
PAE204253	SEP202582	40%	95.2%	87.0%
PAE204253	SHA103379	40%	95.2%	87.0%
PAE204253	SMU102853	50%	82.5%	75.4%
PAE204253	SPN400197	47%	87.3%	80.9%
PAE204253	SPY200045	45%	87.3%	80.9%
PAE204253	UUR100241	29%	92.1%	77.3%
PAE204253	VCH102551	70%	98.4%	98.4%
PAE204253	YPS005126	70%	98.4%	98.4%
PAE204254	ABA100087	76%	85.4%	98.3%
PAE204254	BAN105442	58%	97.8%	93.1%
PAE204254	BFR12478	55%	97.8%	93.1%
PAE204254	BPT104060	73%	99.3%	98.6%
PAE204254	BBU100484	56%	97.8%	97.1%
PAE204254	BCE110254	71%	97.8%	97.1%
PAE204254	BFU100274	71%	97.8%	97.1%
PAE204254	BMA108797	72%	97.8%	97.1%
PAE204254	CJU101604	67%	97.8%	95.0%
PAE204254	CPN200105	56%	97.8%	97.1%
PAE204254	CTR200797	55%	97.8%	97.1%
PAE204254	CAC102622	56%	97.8%	91.2%
PAE204254	CBO103643	57%	97.8%	91.2%
PAE204254	CDF100749	55%	97.8%	93.7%
PAE204254	CDP101572	52%	51.8%	94.7%
PAE204254	EBC103654	78%	100%	100%
PAE204254	EFA201987	54%	100%	95.1%
PAE204254	EFM200770	54%	100%	95.1%
PAE204254	ECO103236	77%	100%	100%
PAE204254	HIN100764	76%	100%	100%
PAE204254	HPY101294	65%	96.4%	93.6%
PAE204254	KPN300638	78%	91.2%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204254	LMO101423	55%	97.8%	93.1%
PAE204254	MCA100019	74%	100%	100%
PAE204254	MAV102093	50%	97.8%	97.1%
PAE204254	MBV101012	49%	94.9%	94.2%
PAE204254	MLP101130	50%	97.8%	97.1%
PAE204254	MTU200705	50%	97.8%	97.1%
PAE204254	MGE100161	45%	97.8%	97.1%
PAE204254	MPN100659	47%	97.8%	96.4%
PAE204254	NGO100936	72%	99.3%	98.6%
PAE204254	NME200116	72%	99.3%	98.6%
PAE204254	PMU101408	77%	100%	100%
PAE204254	PRT100078	78%	100%	100%
PAE204254	PAE204254	100%	100%	100%
PAE204254	PPU104518	94%	100%	100%
PAE204254	PSY103397	94%	100%	100%
PAE204254	SPA104307	77%	100%	100%
PAE204254	STY101803	77%	100%	100%
PAE204254	SAU802243	58%	97.8%	93.1%
PAE204254	SEP200265	57%	97.8%	93.1%
PAE204254	SHA100775	58%	97.8%	93.1%
PAE204254	SMU100608	55%	97.8%	97.8%
PAE204254	SPN400196	56%	97.8%	97.8%
PAE204254	SPY200044	57%	97.8%	97.8%
PAE204254	TPA100194	57%	97.1%	95.7%
PAE204254	UUR100240	51%	97.8%	97.1%
PAE204254	VCH102552	76%	100%	100%
PAE204254	YPS002443	75%	100%	100%
PAE204255	ABA100086	69%	100%	98.3%
PAE204255	BAN112122	54%	79.8%	100%
PAE204255	BAN102487	57%	91.2%	94.5%
PAE204255	BFR10672	53%	93.0%	86.5%
PAE204255	BPT100851	64%	100%	85.9%
PAE204255	BBU100483	49%	91.7%	72.4%
PAE204255	BCE110191	68%	91.7%	78.6%
PAE204255	BFU100273	68%	91.7%	91.3%
PAE204255	BMA108753	68%	91.7%	78.6%
PAE204255	CJU101605	55%	100%	97.9%
PAE204255	CPN200104	53%	90.4%	92.4%
PAE204255	CTR200798	53%	90.4%	92.0%
PAE204255	CAC103109	53%	96.9%	100%
PAE204255	CBO100517	55%	93.0%	95.5%
PAE204255	CDF100748	51%	92.5%	78.2%
PAE204255	CDP101570	57%	98.7%	88.3%
PAE204255	EBC103657	73%	98.7%	96.6%
PAE204255	EFA201993	61%	91.2%	95.0%
PAE204255	EFM201332	58%	91.2%	95.0%
PAE204255	ECO103237	73%	98.7%	96.6%
PAE204255	HIN100763	72%	98.2%	96.6%
PAE204255	HPY101295	55%	98.2%	96.2%
PAE204255	KPN300639	72%	100%	98.3%
PAE204255	LMO101810	59%	94.7%	98.6%
PAE204255	MCA100254	65%	98.7%	95.4%
PAE204255	MAV102092	55%	100%	81.1%
PAE204255	MBV101013	54%	100%	82.8%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204255	MLP101131	54%	100%	80.8%
PAE204255	MTU200704	54%	100%	82.8%
PAE204255	MGE100160	41%	90.8%	78.4%
PAE204255	MPN100660	42%	90.8%	76.9%
PAE204255	NGO100939	61%	99.6%	99.1%
PAE204255	NME200117	61%	99.6%	99.1%
PAE204255	PMU101409	71%	99.6%	97.0%
PAE204255	PRT103066	72%	98.7%	97.4%
PAE204255	PAE204255	100%	100%	100%
PAE204255	PPU104517	95%	100%	96.2%
PAE204255	PSY103396	96%	100%	100%
PAE204255	SPA104309	73%	98.7%	96.6%
PAE204255	STY101802	73%	98.7%	96.6%
PAE204255	SAU802244	57%	91.2%	95.4%
PAE204255	SEP200267	56%	91.2%	95.4%
PAE204255	SHA100774	56%	91.2%	95.4%
PAE204255	SMU100609	58%	93.0%	97.2%
PAE204255	SPN400195	59%	93.0%	97.2%
PAE204255	SPY200043	58%	93.0%	97.2%
PAE204255	TPA100193	51%	91.7%	85.4%
PAE204255	UUR100239	42%	100%	89.1%
PAE204255	VCH102553	71%	98.7%	97.9%
PAE204255	YPS002439	73%	100%	98.3%
PAE204256	ABA100085	77%	97.3%	97.3%
PAE204256	BAN109858	48%	100%	97.4%
PAE204256	BAN111310	51%	100%	97.3%
PAE204256	BFR102815	47%	96.4%	91.5%
PAE204256	BPT104052	64%	97.3%	98.2%
PAE204256	BBU100482	45%	89.1%	82.5%
PAE204256	BCE103775	65%	99.1%	100%
PAE204256	BFU100272	64%	99.1%	100%
PAE204256	BMA104499	65%	99.1%	100%
PAE204256	CJU101606	37%	89.1%	66.7%
PAE204256	CPN200103	43%	90.9%	90.1%
PAE204256	CTR200799	42%	90.9%	90.1%
PAE204256	CAC102305	47%	100%	99.1%
PAE204256	CBO100872	46%	100%	99.1%
PAE204256	CDF103249	45%	100%	92.4%
PAE204256	CDP102437	49%	88.2%	80.8%
PAE204256	EBC103660	68%	100%	100%
PAE204256	EFA201995	57%	90.9%	85.5%
PAE204256	EFM202159	57%	90.9%	87.0%
PAE204256	ECO103238	69%	100%	100%
PAE204256	HIN100762	70%	100%	100%
PAE204256	HPY101296	40%	95.5%	82.8%
PAE204256	KPN300640	71%	44.5%	100%
PAE204256	LMO100543	53%	90%	83.9%
PAE204256	MCA100253	66%	99.1%	100%
PAE204256	MAV102091	48%	96.4%	58.9%
PAE204256	MBV101014	45%	96.4%	53.8%
PAE204256	MLP101132	46%	96.4%	60.6%
PAE204256	MTU200703	45%	96.4%	53.8%
PAE204256	MGE100159	43%	95.5%	72.9%
PAE204256	MPN100661	48%	95.5%	57.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204256	NGO102695	66%	99.1%	100%
PAE204256	NME200118	66%	99.1%	100%
PAE204256	PMU101410	70%	100%	100%
PAE204256	PRT103067	68%	100%	100%
PAE204256	PAE204256	100%	100%	100%
PAE204256	PPU104507	100%	100%	100%
PAE204256	PSY107686	97%	83.6%	100%
PAE204256	SPA104311	69%	100%	100%
PAE204256	STY101801	69%	100%	100%
PAE204256	SAU802245	47%	99.1%	93.2%
PAE204256	SEP200269	48%	99.1%	93.2%
PAE204256	SHA100773	48%	99.1%	93.2%
PAE204256	SMU100610	53%	90.9%	87.7%
PAE204256	SPN400194	58%	90.9%	87.7%
PAE204256	SPY200042	52%	90.9%	87.7%
PAE204256	TPA100192	37%	88.2%	79.0%
PAE204256	UUR100238	41%	89.1%	31.8%
PAE204256	VCH102554	74%	100%	100%
PAE204256	YPS001865	69%	100%	100%
PAE204257	ABA100084	79%	100%	100%
PAE204257	BAN101977	52%	95.6%	95.5%
PAE204257	BAN110916	62%	100%	98.9%
PAE204257	BFR104321	61%	96.7%	98.9%
PAE204257	BPT104048	73%	100%	100%
PAE204257	BBU100481	53%	100%	100%
PAE204257	BCE112635	75%	100%	100%
PAE204257	BFU104367	75%	100%	100%
PAE204257	BMA100281	75%	100%	100%
PAE204257	CJU101607	58%	98.9%	96.8%
PAE204257	CPN200102	57%	95.6%	98.9%
PAE204257	CTR200800	58%	95.6%	98.9%
PAE204257	CAC101096	59%	96.7%	94.6%
PAE204257	CBO102193	59%	96.7%	84.5%
PAE204257	CDF103424	57%	100%	97.8%
PAE204257	CDP101567	63%	100%	98.9%
PAE204257	EBC103663	82%	100%	98.9%
PAE204257	EFA201997	69%	100%	100%
PAE204257	EFM202484	69%	100%	100%
PAE204257	ECO103239	82%	100%	98.9%
PAE204257	HIN100761	83%	100%	100%
PAE204257	HPY101297	60%	98.9%	96.8%
PAE204257	KPN300699	82%	100%	98.9%
PAE204257	LMO100277	71%	100%	100%
PAE204257	MCA100252	80%	100%	100%
PAE204257	MAV102090	68%	100%	98.9%
PAE204257	MBV101015	68%	100%	98.9%
PAE204257	MLP101133	69%	100%	98.9%
PAE204257	MTU200702	68%	100%	98.9%
PAE204257	MGE100158	56%	95.6%	100%
PAE204257	MPN100662	56%	95.6%	100%
PAE204257	NGO102970	70%	100%	98.9%
PAE204257	NME200119	71%	100%	98.9%
PAE204257	PMU101411	83%	100%	100%
PAE204257	PRT100323	83%	100%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204257	PAE204257	100%	100%	100%
PAE204257	PPU111002	95%	100%	100%
PAE204257	PSY101086	92%	100%	100%
PAE204257	SPA104313	82%	100%	98.9%
PAE204257	STY101800	82%	100%	98.9%
PAE204257	SAU802246	62%	100%	98.9%
PAE204257	SEP200271	63%	100%	98.9%
PAE204257	SHA100772	63%	100%	98.9%
PAE204257	SMU102869	72%	40.7%	92.5%
PAE204257	SPN400192	67%	100%	97.8%
PAE204257	SPY200041	67%	100%	98.9%
PAE204257	TPA100191	52%	100%	100%
PAE204257	UUR100237	59%	96.7%	100%
PAE204257	VCH102555	84%	100%	98.9%
PAE204257	YPS001864	82%	100%	98.9%
PAE204259	ABA100082	57%	96.0%	89.6%
PAE204259	BFR102748	38%	86.9%	93.8%
PAE204259	BPT104043	52%	96.0%	96.9%
PAE204259	BBU100479	30%	89.9%	92.2%
PAE204259	BCE100645	54%	99.0%	94.2%
PAE204259	BFU103900	55%	99.0%	94.2%
PAE204259	BMA108040	54%	99.0%	94.2%
PAE204259	CJU101609	30%	78.8%	82.8%
PAE204259	CPN200100	33%	86.9%	95.5%
PAE204259	CTR200802	37%	65.7%	63.1%
PAE204259	CAC102428	45%	78.8%	78.6%
PAE204259	CBO102507	41%	80.8%	81.4%
PAE204259	CDF101975	43%	78.8%	80.2%
PAE204259	CDP102947	44%	83.8%	81.2%
PAE204259	EBC101608	52%	94.9%	94.9%
PAE204259	EFA205285	36%	91.9%	94.8%
PAE204259	ECO103241	53%	100%	99%
PAE204259	HIN100759	57%	100%	100%
PAE204259	HPY101299	29%	77.8%	81.7%
PAE204259	KPN300697	53%	100%	99%
PAE204259	LMO100631	39%	78.8%	81.9%
PAE204259	MCA100250	49%	100%	91.7%
PAE204259	MAV102088	46%	81.8%	80%
PAE204259	MBV101017	48%	81.8%	80%
PAE204259	MLP101135	48%	81.8%	80%
PAE204259	MTU200700	48%	81.8%	80%
PAE204259	MGE100156	32%	87.9%	84.0%
PAE204259	NGO102702	54%	99.0%	94.2%
PAE204259	NME200121	54%	99.0%	92.5%
PAE204259	PMU101413	58%	100%	99%
PAE204259	PRT100325	52%	100%	99%
PAE204259	PAE204259	100%	100%	100%
PAE204259	PPU102891	82%	100%	100%
PAE204259	PSY107072	88%	100%	100%
PAE204259	SPA104317	53%	100%	99%
PAE204259	STY101788	53%	100%	99%
PAE204259	SAU802248	38%	81.8%	87.9%
PAE204259	SEP200275	40%	81.8%	87.9%
PAE204259	SHA100770	40%	81.8%	87.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204259	SPN400190	43%	81.8%	82.7%
PAE204259	SPY200039	43%	81.8%	82.7%
PAE204259	TPA100189	40%	84.8%	88.3%
PAE204259	VCH102557	58%	100%	99%
PAE204259	YPS005095	53%	100%	99%
PAE204260	ABA100081	66%	100%	100%
PAE204260	BFR10676	36%	98%	96.6%
PAE204260	BPT100849	55%	99%	97.6%
PAE204260	BBU100478	32%	93.5%	90.9%
PAE204260	BCE103118	54%	98.5%	97.1%
PAE204260	BFU100270	52%	98.5%	97.1%
PAE204260	BMA104332	52%	63%	96.3%
PAE204260	CJU101610	40%	86.5%	85.3%
PAE204260	CPN200099	37%	78%	75%
PAE204260	CTR200803	41%	74.5%	72.1%
PAE204260	CAC100377	45%	94%	91.3%
PAE204260	CBO103307	43%	97.5%	95.6%
PAE204260	CDF100746	41%	98%	91.7%
PAE204260	CDP101562	37%	92.5%	86.2%
PAE204260	EBC101609	67%	99.5%	99.5%
PAE204260	EFA202001	44%	94.5%	91.8%
PAE204260	ECO103242	67%	99.5%	99.5%
PAE204260	HIN100758	72%	99.5%	99.5%
PAE204260	HPY101300	37%	79%	77.7%
PAE204260	KPN300696	66%	99.5%	99.5%
PAE204260	LMO102640	45%	96%	93.2%
PAE204260	MCA100249	65%	99.5%	99.5%
PAE204260	MAV102087	38%	93%	86.6%
PAE204260	MBV101018	39%	93%	84.3%
PAE204260	MLP101136	38%	92.5%	81.3%
PAE204260	MTU200699	39%	93%	84.3%
PAE204260	MGE100155	35%	86.5%	84.4%
PAE204260	MPN100665	33%	94%	91.0%
PAE204260	NGO101615	50%	94%	91.7%
PAE204260	NME200122	50%	94%	91.7%
PAE204260	PMU101414	72%	99.5%	99.5%
PAE204260	PRT103342	69%	99.5%	99.5%
PAE204260	PAE204260	100%	100%	100%
PAE204260	PPU104504	85%	100%	100%
PAE204260	PSY108736	87%	100%	100%
PAE204260	SPA104319	67%	99.5%	99.5%
PAE204260	STY101787	67%	99.5%	99.5%
PAE204260	SAU802249	46%	100%	97.1%
PAE204260	SEP200280	46%	98.5%	96.6%
PAE204260	SHA100769	47%	99%	97.1%
PAE204260	SPN400189	43%	96%	93.2%
PAE204260	SPY200038	43%	95%	92.3%
PAE204260	TPA100188	34%	94.5%	88.0%
PAE204260	UUR100234	35%	84.5%	82.0%
PAE204260	VCH102558	74%	99.5%	99.5%
PAE204260	YPS001862	70%	95%	94.5%
PAE204261	ABA100080	80%	46.0%	99.0%
PAE204261	BFR10677	48%	94.8%	98.0%
PAE204261	BPT100848	66%	98.1%	92.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204261	BBU100477	44%	97.6%	99.5%
PAE204261	BCE112456	64%	100%	98.6%
PAE204261	BFU100269	63%	99.5%	97.3%
PAE204261	BMA106660	64%	99.5%	97.3%
PAE204261	CJU101611	38%	90.0%	92.1%
PAE204261	CPN200098	45%	97.6%	97.7%
PAE204261	CTR200804	42%	99.1%	98.2%
PAE204261	CAC103369	48%	99.1%	100%
PAE204261	CBO101061	48%	99.1%	96.8%
PAE204261	CDF100745	50%	97.2%	97.6%
PAE204261	CDP100915	50%	97.2%	94.5%
PAE204261	EBC101610	75%	98.1%	99.5%
PAE204261	EFA202003	51%	99.5%	100%
PAE204261	ECO103243	74%	98.1%	99.5%
PAE204261	HIN100757	73%	98.1%	99.5%
PAE204261	HPY101301	34%	90.5%	93.2%
PAE204261	KPN300695	83%	43.6%	100%
PAE204261	LMO102018	50%	99.5%	100%
PAE204261	MCA100248	70%	99.1%	100%
PAE204261	MAV102086	50%	97.2%	96.3%
PAE204261	MBV100990	50%	97.2%	96.3%
PAE204261	MLP101137	49%	97.2%	95.9%
PAE204261	MTU200698	50%	97.2%	96.3%
PAE204261	MGE100154	39%	98.6%	82.1%
PAE204261	MPN100666	43%	98.6%	73.5%
PAE204261	NGO101617	66%	98.6%	98.6%
PAE204261	NME200123	66%	98.6%	98.6%
PAE204261	PMU101415	75%	98.1%	99.5%
PAE204261	PRT102977	74%	98.1%	99.5%
PAE204261	PAE204261	100%	100%	100%
PAE204261	PPU111511	90%	100%	100%
PAE204261	PSY106254	89%	100%	95.0%
PAE204261	SPA104320	72%	98.1%	99.5%
PAE204261	STY101786	75%	98.1%	99.5%
PAE204261	SAU802250	46%	98.6%	98.2%
PAE204261	SEP200281	45%	98.6%	98.2%
PAE204261	SHA100768	49%	60.2%	96.9%
PAE204261	SMU100611	51%	99.1%	99.0%
PAE204261	SPN400188	51%	99.1%	99.0%
PAE204261	SPY200037	51%	99.1%	99.0%
PAE204261	TPA100187	44%	97.6%	98.1%
PAE204261	UUR100233	41%	96.7%	88.0%
PAE204261	VCH102559	74%	98.1%	99.5%
PAE204261	YPS001861	75%	98.1%	99.5%
PAE204262	ABA100720	81%	64.1%	100%
PAE204262	BAN112470	61%	81.6%	100%
PAE204262	BFR102501	57%	97.1%	99.0%
PAE204262	BPT104019	74%	99.0%	85.7%
PAE204262	BBU100476	55%	93.2%	93.2%
PAE204262	BCE114850	76%	99.0%	82.3%
PAE204262	BFU100268	77%	99.0%	71.3%
PAE204262	BMA104676	76%	99.0%	99.0%
PAE204262	CJU101612	58%	94.2%	94.2%
PAE204262	CPN200200	64%	96.1%	94.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204262	CTR200710	65%	96.1%	94.3%
PAE204262	CAC101769	64%	99.0%	100%
PAE204262	CBO101448	65%	99.0%	100%
PAE204262	CDF104153	57%	61.2%	100%
PAE204262	CDP100914	60%	97.1%	99.0%
PAE204262	EBC101611	92%	100%	100%
PAE204262	EFA205288	63%	99.0%	100%
PAE204262	ECO103244	90%	100%	100%
PAE204262	HIN100756	92%	100%	87.3%
PAE204262	HPY101302	57%	95.1%	94.2%
PAE204262	KPN304660	91%	100%	95.4%
PAE204262	LMO100137	62%	99.0%	100%
PAE204262	MCA101858	86%	100%	100%
PAE204262	MAV102085	60%	97.1%	99.0%
PAE204262	MBV100992	60%	97.1%	99.0%
PAE204262	MLP101138	60%	97.1%	99.0%
PAE204262	MTU200697	60%	97.1%	99.0%
PAE204262	MGE100153	38%	94.2%	91.5%
PAE204262	MPN100667	37%	94.2%	89.8%
PAE204262	NGO102546	71%	99.0%	99.0%
PAE204262	NME200127	71%	99.0%	99.0%
PAE204262	PMU101416	92%	100%	100%
PAE204262	PRT100142	92%	100%	100%
PAE204262	PAE204262	100%	100%	100%
PAE204262	PPU104502	97%	91.3%	100%
PAE204262	PSY106273	98%	100%	83.1%
PAE204262	SPA104323	77%	100%	95.5%
PAE204262	STY101785	92%	100%	100%
PAE204262	SAU802251	62%	99.0%	100%
PAE204262	SEP200282	62%	99.0%	100%
PAE204262	SHA102423	60%	99.0%	100%
PAE204262	SMU100612	60%	99.0%	100%
PAE204262	SPN400187	60%	99.0%	100%
PAE204262	SPY200036	58%	99.0%	100%
PAE204262	TPA100186	54%	97.1%	98.0%
PAE204262	UUR100232	52%	97.1%	99.0%
PAE204262	VCH102560	90%	100%	100%
PAE204262	YPS005092	92%	100%	100%
PAE204265	ABA100054	76%	100%	100%
PAE204265	BAN101047	47%	100%	100%
PAE204265	BAN102922	58%	100%	100%
PAE204265	BFR102620	51%	98.7%	89.2%
PAE204265	BPT100845	70%	100%	90.2%
PAE204265	BBU100385	54%	100%	100%
PAE204265	BCE114655	70%	100%	100%
PAE204265	BFU100845	71%	100%	100%
PAE204265	BMA108128	71%	100%	100%
PAE204265	CJU100457	58%	98.7%	99.4%
PAE204265	CPN200198	56%	100%	100%
PAE204265	CTR200712	55%	100%	100%
PAE204265	CAC101300	58%	100%	100%
PAE204265	CBO100058	57%	100%	90.7%
PAE204265	CDF100549	57%	100%	100%
PAE204265	CDP100907	61%	98.7%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204265	EBC102895	69%	100%	100%
PAE204265	EFA202013	54%	100%	100%
PAE204265	ECO103264	69%	100%	87.2%
PAE204265	HIN100560	69%	100%	100%
PAE204265	HPY101179	60%	98.7%	99.4%
PAE204265	KPN300871	68%	92.9%	86.8%
PAE204265	LMO101111	53%	100%	100%
PAE204265	MCA100231	72%	100%	100%
PAE204265	MAV102943	58%	100%	100%
PAE204265	MBV103316	57%	100%	100%
PAE204265	MLP101141	57%	100%	100%
PAE204265	MTU200680	57%	100%	100%
PAE204265	MGE100090	50%	98.7%	99.4%
PAE204265	MPN100605	48%	98.7%	99.4%
PAE204265	NGO101627	69%	100%	100%
PAE204265	NME200130	69%	100%	100%
PAE204265	PMU101355	70%	100%	100%
PAE204265	PRT100252	70%	100%	100%
PAE204265	PAE204265	100%	100%	100%
PAE204265	PPU112217	94%	100%	100%
PAE204265	PSY106485	97%	26.3%	100%
PAE204265	SPA102393	64%	66.0%	91.2%
PAE204265	STY101780	69%	100%	100%
PAE204265	SAU800546	57%	100%	100%
PAE204265	SEP200070	57%	100%	100%
PAE204265	SHA102003	37%	25.6%	100%
PAE204265	SMU100686	55%	100%	100%
PAE204265	SPN400249	57%	100%	100%
PAE204265	SPY200201	55%	100%	100%
PAE204265	TPA100241	52%	100%	100%
PAE204265	UUR100530	48%	98.7%	99.4%
PAE204265	VCH100355	70%	100%	100%
PAE204265	YPS001851	71%	100%	100%
PAE204266	ABA100053	83%	100%	100%
PAE204266	BAN100648	68%	100%	97.1%
PAE204266	BFR10866	80%	61.0%	88.2%
PAE204266	BPT100844	84%	100%	98.4%
PAE204266	BBU100386	78%	100%	99.2%
PAE204266	BCE108786	86%	100%	97.6%
PAE204266	BFU100844	86%	100%	97.6%
PAE204266	BMA100034	85%	100%	97.6%
PAE204266	CJU100456	80%	100%	96.1%
PAE204266	CPN200197	73%	100%	100%
PAE204266	CTR200713	70%	100%	100%
PAE204266	CAC103453	77%	100%	98.4%
PAE204266	CBO102727	75%	100%	98.4%
PAE204266	CDF102422	70%	100%	95.1%
PAE204266	CDP100904	74%	100%	90.4%
PAE204266	EBC102897	88%	100%	99.2%
PAE204266	EFA202015	71%	100%	99.3%
PAE204266	ECO103265	88%	100%	99.2%
PAE204266	HIN100561	88%	100%	99.2%
PAE204266	HPY101180	74%	100%	91.1%
PAE204266	KPN200561	89%	100%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204266	LMO101449	68%	100%	99.3%
PAE204266	MCA100230	86%	100%	99.2%
PAE204266	MAV102944	72%	100%	99.2%
PAE204266	MBV103315	72%	100%	99.2%
PAE204266	MLP101142	71%	100%	99.2%
PAE204266	MTU200679	72%	100%	99.2%
PAE204266	MGE100089	65%	100%	97.8%
PAE204266	MPN100606	66%	100%	97.8%
PAE204266	NGO101631	86%	100%	100%
PAE204266	NME200131	86%	100%	100%
PAE204266	PMU101354	87%	100%	99.2%
PAE204266	PRT103411	80%	87.0%	100%
PAE204266	PAE204266	100%	100%	100%
PAE204266	PPU112031	95%	100%	100%
PAE204266	PSY103389	94%	100%	100%
PAE204266	SPA102395	88%	100%	99.2%
PAE204266	STY101779	88%	100%	99.2%
PAE204266	SAU800545	67%	100%	99.3%
PAE204266	SEP201889	68%	100%	99.3%
PAE204266	SHA101640	67%	100%	99.3%
PAE204266	SMU100684	70%	100%	99.3%
PAE204266	SPN400248	69%	100%	99.3%
PAE204266	SPY200200	71%	100%	99.3%
PAE204266	TPA100240	73%	100%	99.2%
PAE204266	UUR100531	63%	100%	96.5%
PAE204266	VCH100354	87%	100%	99.2%
PAE204266	YPS001825	87%	100%	99.2%
PAE204267	ABA100041	68%	11.6%	90%
PAE204267	ABA104621	74%	99.8%	99.8%
PAE204267	BAN107772	29%	96.6%	97.4%
PAE204267	BAN101907	50%	97.5%	98.3%
PAE204267	BFR102987	48%	96.3%	97.0%
PAE204267	BPT101163	68%	99.0%	97.9%
PAE204267	BBU100387	48%	97.1%	99.2%
PAE204267	BCE109927	60%	57.5%	97.7%
PAE204267	BFU100842	70%	72.5%	64.4%
PAE204267	BMA101246	67%	99.1%	98.7%
PAE204267	CJU100444	55%	96.9%	98.7%
PAE204267	CPN200681	50%	97.1%	97.6%
PAE204267	CTR200580	50%	97.1%	97.9%
PAE204267	CAC100576	50%	96.6%	97.4%
PAE204267	CBO100117	52%	96.6%	97.7%
PAE204267	CDF100550	53%	96.6%	98.7%
PAE204267	CDP100877	49%	6.3%	0.9%
PAE204267	EBC103916	75%	99.8%	99.4%
PAE204267	EFA200807	49%	98.4%	98.8%
PAE204267	EFM200070	47%	96.3%	99.7%
PAE204267	ECO103886	75%	99.8%	99.4%
PAE204267	HIN100493	72%	99.5%	98.4%
PAE204267	KPN300484	66%	10.9%	89.5%
PAE204267	KPN302484	75%	99.8%	99.4%
PAE204267	LPN100508	85%	38.6%	99.4%
PAE204267	LMO101517	50%	97.1%	98.5%
PAE204267	MCA101004	70%	99.4%	97.9%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204267	MAV102932	45%	86.6%	78.9%
PAE204267	MBV100906	45%	86.6%	78.9%
PAE204267	MLP101144	46%	86.6%	78.9%
PAE204267	MTU200665	45%	86.6%	78.9%
PAE204267	MGE100349	39%	97.2%	98.4%
PAE204267	MPN100327	40%	97.2%	98.5%
PAE204267	NME200135	68%	99.4%	99.6%
PAE204267	PMU101736	72%	99.7%	99.6%
PAE204267	PAE204267	100%	100%	100%
PAE204267	PPU104498	91%	100%	99.3%
PAE204267	PSY103340	92%	100%	100%
PAE204267	SPA101954	71%	68.7%	100%
PAE204267	STY102668	75%	99.8%	99.4%
PAE204267	STM102060	75%	99.8%	99.4%
PAE204267	SAU800543	49%	98.6%	99.8%
PAE204267	SEP201887	49%	96.9%	98.0%
PAE204267	SHA100756	31%	5.6%	70.9%
PAE204267	SHA101637	49%	97.0%	98.3%
PAE204267	SMU100552	48%	96.6%	97.4%
PAE204267	SPN401774	48%	98.1%	97.2%
PAE204267	SPY200072	48%	96.6%	97.1%
PAE204267	TPA100239	49%	97.4%	97.5%
PAE204267	UUR100188	40%	96.1%	98.1%
PAE204267	VCH100324	73%	99.9%	99.8%
PAE204267	YPS000478	75%	99.8%	99.5%
PAE204269	ABA105381	67%	69.7%	100%
PAE204269	BAN106592	55%	98.4%	100%
PAE204269	BAN112078	60%	98.4%	100%
PAE204269	BFR106071	56%	95.9%	93.5%
PAE204269	BPT104549	68%	100%	100%
PAE204269	BBU100389	54%	100%	100%
PAE204269	BCE104254	68%	100%	100%
PAE204269	BFU104514	67%	100%	100%
PAE204269	BMA108492	68%	100%	100%
PAE204269	CJU100442	60%	100%	100%
PAE204269	CPN200683	46%	95.9%	93.8%
PAE204269	CTR200582	49%	95.9%	93.8%
PAE204269	CAC103770	65%	98.4%	100%
PAE204269	CBO100998	62%	98.4%	100%
PAE204269	CDF100554	59%	100%	99.2%
PAE204269	CDP100862	60%	98.4%	97.6%
PAE204269	EBC100455	64%	100%	100%
PAE204269	EFA200842	65%	100%	100%
PAE204269	EFM100721	62%	100%	100%
PAE204269	ECO103884	65%	100%	100%
PAE204269	HIN100622	65%	100%	100%
PAE204269	HPY101182	53%	100%	100%
PAE204269	KPN205542	65%	100%	100%
PAE204269	LMO102795	63%	100%	100%
PAE204269	MCA101002	69%	100%	100%
PAE204269	MAV102937	52%	98.4%	97.7%
PAE204269	MBV100917	50%	98.4%	97.7%
PAE204269	MLP101147	48%	98.4%	97.7%
PAE204269	MTU200649	50%	98.4%	97.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204269	MGE100372	43%	98.4%	97.5%
PAE204269	MPN100303	42%	98.4%	97.5%
PAE204269	NGO101640	65%	100%	100%
PAE204269	NME200137	65%	100%	100%
PAE204269	PMU101738	67%	100%	100%
PAE204269	PRT100056	65%	100%	100%
PAE204269	PAE204269	100%	100%	100%
PAE204269	PPU104475	77%	100%	100%
PAE204269	PSY108092	76%	52.5%	100%
PAE204269	SPA107849	66%	100%	100%
PAE204269	STY102674	66%	100%	100%
PAE204269	STM107215	66%	100%	100%
PAE204269	SAU800540	57%	96.7%	97.5%
PAE204269	SEP201884	58%	95.9%	96.7%
PAE204269	SHA101634	59%	95.9%	96.7%
PAE204269	SMU100975	54%	100%	100%
PAE204269	SPN401210	58%	100%	96.1%
PAE204269	SPY200815	56%	100%	100%
PAE204269	TPA100237	52%	98.4%	97.7%
PAE204269	UUR100009	52%	97.5%	96.7%
PAE204269	VCH100322	73%	100%	100%
PAE204269	YPS005201	63%	98.4%	97.5%
PAE204270	ABA104908	50%	100%	100%
PAE204270	BAN101384	39%	100%	100%
PAE204270	BAN106254	39%	100%	100%
PAE204270	BFR101778	24%	91.6%	90%
PAE204270	BPT104548	38%	98.8%	100%
PAE204270	BBU100390	31%	80.1%	78.6%
PAE204270	BCE110567	42%	100%	100%
PAE204270	BFU104512	41%	94.6%	77.6%
PAE204270	BMA104533	42%	97.0%	87.0%
PAE204270	CJU100441	30%	94.6%	96.9%
PAE204270	CAC103420	33%	94.0%	92.9%
PAE204270	CBO103649	33%	100%	100%
PAE204270	CDF100545	33%	95.2%	90.3%
PAE204270	CDP100855	31%	84.3%	87.7%
PAE204270	EFA200841	39%	95.2%	95.2%
PAE204270	EFM100720	42%	95.8%	95.2%
PAE204270	ECO103883	68%	98.8%	100%
PAE204270	HIN100621	65%	99.4%	100%
PAE204270	HPY101183	23%	94.6%	94.5%
PAE204270	KPN304658	68%	98.8%	100%
PAE204270	LMO101102	40%	100%	100%
PAE204270	MCA101001	68%	100%	100%
PAE204270	MAV102938	30%	94.6%	85.2%
PAE204270	MBV100919	28%	93.4%	92.7%
PAE204270	MLP101148	30%	93.4%	93.2%
PAE204270	MTU200648	28%	93.4%	92.7%
PAE204270	MGE100371	22%	94.0%	96.9%
PAE204270	MPN100304	21%	94.0%	97.5%
PAE204270	NGO101663	41%	100%	99.4%
PAE204270	NME200138	41%	100%	99.4%
PAE204270	PMU101739	65%	99.4%	100%
PAE204270	PRT103043	69%	98.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204270	PAE204270	100%	100%	100%
PAE204270	PPU104473	88%	100%	85.1%
PAE204270	PSY103338	90%	100%	100%
PAE204270	SPA102794	68%	98.8%	100%
PAE204270	STY102677	68%	98.8%	100%
PAE204270	STM102057	68%	98.8%	100%
PAE204270	SAU800539	40%	99.4%	99.4%
PAE204270	SEP201883	38%	99.4%	99.4%
PAE204270	SHA101633	38%	99.4%	99.4%
PAE204270	SMU100974	40%	95.8%	95.2%
PAE204270	SPN401211	41%	95.2%	95.2%
PAE204270	SPY200814	42%	95.2%	95.8%
PAE204270	TPA100236	30%	93.4%	86.1%
PAE204270	UUR100008	27%	89.2%	91.0%
PAE204270	VCH100321	69%	98.8%	100%
PAE204270	YPS000491	66%	98.8%	100%
PAE204272	ABA106058	75%	98.6%	99.3%
PAE204272	BAN106044	61%	79.0%	98.2%
PAE204272	BFR10521	54%	99.3%	95.9%
PAE204272	BPT100048	75%	99.3%	99.3%
PAE204272	BBU100392	53%	97.2%	97.2%
PAE204272	BCE100591	73%	100%	100%
PAE204272	BFU104508	72%	100%	94.1%
PAE204272	BMA106139	74%	100%	100%
PAE204272	CJU100439	60%	97.9%	98.6%
PAE204272	CPN200686	53%	97.2%	97.9%
PAE204272	CTR200585	54%	97.2%	97.9%
PAE204272	CAC101038	64%	97.9%	98.6%
PAE204272	CBO102195	64%	98.6%	99.3%
PAE204272	CDF104047	60%	98.6%	99.3%
PAE204272	CDP100850	62%	97.2%	97.2%
PAE204272	EBC102886	74%	98.6%	99.3%
PAE204272	EFA200839	62%	98.6%	100%
PAE204272	ECO103881	74%	98.6%	99.3%
PAE204272	HIN100496	70%	98.6%	99.3%
PAE204272	HPY101185	56%	97.9%	98.6%
PAE204272	KPN300527	74%	98.6%	99.3%
PAE204272	LMO100036	60%	98.6%	99.3%
PAE204272	MCA100999	74%	100%	100%
PAE204272	MAV102318	64%	97.2%	97.2%
PAE204272	MBV103157	64%	97.2%	97.2%
PAE204272	MLP101154	63%	97.2%	97.2%
PAE204272	MTU200637	64%	97.2%	97.2%
PAE204272	MGE100083	41%	97.9%	98.5%
PAE204272	MPN100612	42%	97.9%	98.5%
PAE204272	NGO101667	75%	100%	99.3%
PAE204272	NME200140	76%	100%	99.3%
PAE204272	PMU101743	70%	98.6%	99.3%
PAE204272	PAE204272	100%	100%	100%
PAE204272	PPU104469	94%	100%	100%
PAE204272	PSY106552	90%	100%	97.3%
PAE204272	SPA107834	83%	62.2%	90.7%
PAE204272	STY102683	74%	98.6%	99.3%
PAE204272	STM102055	74%	98.6%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204272	SAU800537	65%	98.6%	100%
PAE204272	SEP201881	63%	98.6%	100%
PAE204272	SHA101488	64%	97.9%	98.6%
PAE204272	SMU101147	60%	97.9%	98.6%
PAE204272	SPN400555	61%	97.9%	98.6%
PAE204272	SPY200329	61%	97.9%	98.6%
PAE204272	TPA100234	56%	97.2%	95.2%
PAE204272	UUR100547	47%	98.6%	90.7%
PAE204272	VCH100319	76%	99.3%	100%
PAE204272	YPS000498	74%	99.3%	100%
PAE204273	ABA101112	68%	98.3%	98.3%
PAE204273	BAN107620	45%	100%	100%
PAE204273	BFR10520	43%	98.3%	96.7%
PAE204273	BPT100046	61%	99.4%	99.4%
PAE204273	BBU100393	37%	100%	100%
PAE204273	BCE106900	65%	98.9%	94.6%
PAE204273	BFU104521	65%	98.9%	94.6%
PAE204273	BMA104447	65%	98.9%	94.6%
PAE204273	CJU100438	43%	98.3%	97.2%
PAE204273	CPN200687	37%	98.3%	95.1%
PAE204273	CTR200586	38%	98.3%	95.1%
PAE204273	CAC102306	38%	98.3%	96.5%
PAE204273	CBO103872	42%	98.3%	96.0%
PAE204273	CDF104265	37%	97.7%	95.6%
PAE204273	CDP100848	37%	97.7%	72.2%
PAE204273	EBC102887	72%	98.3%	96.1%
PAE204273	EFA200831	38%	98.9%	96.7%
PAE204273	EFM202000	38%	93.2%	99.4%
PAE204273	ECO103880	72%	98.3%	96.1%
PAE204273	HIN100696	66%	98.9%	94.6%
PAE204273	HPY101186	39%	97.7%	97.7%
PAE204273	KPN300526	76%	52.0%	98.9%
PAE204273	LMO102609	45%	100%	100%
PAE204273	MCA100998	59%	98.3%	98.9%
PAE204273	MAV102335	40%	97.7%	74.2%
PAE204273	MBV103155	40%	97.7%	79.8%
PAE204273	MLP101155	38%	97.7%	83.3%
PAE204273	MTU200636	40%	97.7%	79.8%
PAE204273	MGE100054	20%	59.3%	42.4%
PAE204273	MPN100087	22%	67.8%	46.6%
PAE204273	NGO101670	63%	100%	99.4%
PAE204273	NME200141	63%	100%	99.4%
PAE204273	PMU101744	69%	98.3%	95.1%
PAE204273	PRT103295	72%	98.3%	96.1%
PAE204273	PAE204273	100%	100%	100%
PAE204273	PPU108806	94%	100%	100%
PAE204273	PSY103335	93%	99.4%	99.4%
PAE204273	SPA102796	72%	98.3%	96.1%
PAE204273	STY102686	73%	98.3%	96.1%
PAE204273	STM102044	73%	98.3%	96.1%
PAE204273	SAU800535	41%	99.4%	96.7%
PAE204273	SEP201880	41%	99.4%	96.7%
PAE204273	SHA101487	41%	99.4%	96.7%
PAE204273	SMU100495	34%	98.9%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204273	SPN401818	33%	98.9%	94.5%
PAE204273	SPY200119	35%	98.9%	96.6%
PAE204273	TPA100233	42%	98.9%	98.9%
PAE204273	UUR100588	20%	97.2%	86.4%
PAE204273	VCH100318	72%	98.9%	96.2%
PAE204273	YPS000502	73%	98.3%	96.1%
PAE204285	ABA102333	44%	94.6%	91.5%
PAE204285	BAN110046	21%	72.0%	95.3%
PAE204285	BAN100665	23%	94.3%	97.3%
PAE204285	BAN112042	21%	93.6%	42.9%
PAE204285	BAN102196	25%	90.9%	97.5%
PAE204285	BAN106725	24%	95.3%	93.4%
PAE204285	BAN105758	31%	42.9%	90.4%
PAE204285	BFR11086	28%	92.9%	96.5%
PAE204285	BPT101571	49%	93.2%	99.6%
PAE204285	BCE115215	47%	94.6%	93.7%
PAE204285	BMA102938	32%	90.9%	87.5%
PAE204285	CAC102930	23%	97.6%	97.5%
PAE204285	CBO100389	30%	23.0%	90.9%
PAE204285	CDF102505	21%	94.3%	87.8%
PAE204285	KPN301109	27%	93.2%	98.6%
PAE204285	MCA102862	22%	90.5%	86.9%
PAE204285	PMU101698	28%	93.9%	94.7%
PAE204285	PRT101102	43%	94.3%	91.2%
PAE204285	PAE204285	100%	100%	100%
PAE204285	PPU100484	65%	95.9%	96.9%
PAE204285	PSY101025	60%	80.1%	96.3%
PAE204285	SAU800107	24%	95.6%	96.6%
PAE204285	SPN401145	20%	93.2%	94.6%
PAE204285	SPY200825	22%	66.6%	80%
PAE204285	YPS002375	47%	95.3%	92.5%
PAE204293	BCE107990	33%	61.9%	58.5%
PAE204293	BFU108056	30%	71.9%	74.1%
PAE204293	CJU100562	26%	65%	26.2%
PAE204293	MBV100975	26%	51.2%	56.1%
PAE204293	MTU202514	26%	51.2%	56.1%
PAE204293	PAE204293	100%	100%	100%
PAE204293	PPU108097	36%	81.9%	80.8%
PAE204293	PSY106953	40%	59.4%	60.5%
PAE204293	SEP200554	23%	57.5%	31.0%
PAE204294	PAE204294	100%	100%	100%
PAE204294	PPU108108	51%	92.4%	96.0%
PAE204294	PSY105075	47%	92%	90.2%
PAE204314	EBC101552	47%	97.3%	99.6%
PAE204314	ECO101970	51%	86.9%	88.2%
PAE204314	HIN101344	45%	93.3%	94.1%
PAE204314	KPN309093	52%	86.0%	87.6%
PAE204314	PMU100611	46%	88.3%	90.1%
PAE204314	PRT105881	50%	89.2%	90.5%
PAE204314	PAE204314	100%	100%	100%
PAE204314	PPU107754	71%	99.2%	99.8%
PAE204314	PSY101270	69%	98.5%	99.4%
PAE204314	SPA103636	49%	97.5%	99.8%
PAE204314	STY103470	51%	89.8%	91.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204314	STM103236	51%	89.8%	91.0%
PAE204314	VCH101215	49%	87.9%	89.7%
PAE204314	YPS002994	52%	89.0%	90.3%
PAE204330	PAE204330	100%	100%	100%
PAE204345	BAN107347	24%	72.9%	85.8%
PAE204345	BCE115205	36%	90.4%	90.4%
PAE204345	CDF102323	23%	72.1%	80.3%
PAE204345	CDP100508	22%	70.1%	77.5%
PAE204345	LPN100523	31%	28.4%	25.5%
PAE204345	MLP101083	24%	72.1%	85.7%
PAE204345	PAE204345	100%	100%	100%
PAE204345	PPU101455	62%	95.3%	96.6%
PAE204345	PSY101765	61%	57.8%	99.6%
PAE204345	PSY105041	66%	78.4%	99.3%
PAE204345	SAU801057	24%	45.3%	41.3%
PAE204345	SHA100448	23%	40.6%	38.9%
PAE204361	ABA105892	34%	96.3%	98.3%
PAE204361	BPT100780	41%	95.7%	96.7%
PAE204361	BCE107642	44%	96.3%	98.3%
PAE204361	BFU108097	47%	90.7%	92.6%
PAE204361	BMA104130	45%	90.7%	92.6%
PAE204361	CDP100180	39%	95.7%	96.6%
PAE204361	EBC103705	42%	95%	95.6%
PAE204361	ECO102851	40%	94.7%	95.3%
PAE204361	KPN303072	41%	94.7%	95.3%
PAE204361	MBV102501	40%	96.3%	93.7%
PAE204361	MTU201952	40%	96.3%	93.7%
PAE204361	PRT101296	40%	94.7%	94.6%
PAE204361	PAE204361	100%	100%	100%
PAE204361	PPU101559	76%	98%	99.3%
PAE204361	PSY101745	73%	99%	99.3%
PAE204361	SPA100739	52%	34%	96.1%
PAE204361	STY104481	41%	94.7%	95.3%
PAE204361	STM100491	41%	94.7%	95.3%
PAE204361	VCH100477	39%	95.7%	96.6%
PAE204361	YPS000188	41%	95%	94.0%
PAE204373	BFR102552	34%	96.2%	50.5%
PAE204373	HIN100875	45%	99.0%	98.4%
PAE204373	LPN100761	52%	94.2%	99.7%
PAE204373	LMO101639	24%	21.3%	19.9%
PAE204373	MBV101812	28%	29.8%	39.5%
PAE204373	MTU301852	28%	29.8%	39.5%
PAE204373	PMU101132	46%	99.0%	98.4%
PAE204373	PAE204373	100%	100%	100%
PAE204373	PPU101529	82%	99.1%	48.8%
PAE204373	SHA100824	25%	96.3%	90.4%
PAE204373	VCH100162	48%	99.0%	97.5%
PAE204411	ABA103723	44%	87.2%	86.9%
PAE204411	BAN104393	39%	90.2%	98.6%
PAE204411	BAN108260	39%	90.2%	98.3%
PAE204411	BFR100762	30%	87.2%	84.0%
PAE204411	BPT103003	44%	90.2%	91.9%
PAE204411	BBU100301	30%	87.0%	93.7%
PAE204411	BCE103498	43%	91.0%	97.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204411	BFU100816	44%	92.7%	87.8%
PAE204411	BMA109411	43%	91.0%	85.6%
PAE204411	CAC100555	32%	89.7%	96.0%
PAE204411	CBO100202	34%	89.2%	95.1%
PAE204411	CDF103581	33%	87.0%	91.2%
PAE204411	CDP101270	33%	88.2%	71.7%
PAE204411	EBC102569	44%	88.2%	84.5%
PAE204411	EFA200310	32%	95.2%	98.0%
PAE204411	EFM200911	31%	94.2%	99.5%
PAE204411	ECO100089	45%	90.2%	86.5%
PAE204411	HIN101111	41%	92.2%	92.9%
PAE204411	HPY101537	30%	86.5%	95.1%
PAE204411	KPN301852	43%	90.2%	84.4%
PAE204411	LPN100221	56%	71.2%	94.4%
PAE204411	LMO101232	31%	89.0%	91.2%
PAE204411	MCA103455	35%	89.0%	91.6%
PAE204411	MAV103648	34%	85.7%	55.6%
PAE204411	MBV100525	34%	88.0%	71.4%
PAE204411	MLP100568	35%	85.7%	63.5%
PAE204411	MTU202120	34%	88.0%	66.6%
PAE204411	NGO100588	37%	91.7%	94.3%
PAE204411	NME201907	37%	91.7%	91.7%
PAE204411	PMU100141	45%	90.2%	90.9%
PAE204411	PRT102637	45%	91.0%	90.9%
PAE204411	PAE204411	100%	100%	100%
PAE204411	PPU112591	80%	99.7%	98.5%
PAE204411	PSY103847	81%	99.7%	98.5%
PAE204411	STY103175	43%	90.2%	86.5%
PAE204411	STM102887	43%	90.2%	86.5%
PAE204411	SAU801113	32%	79.7%	86.6%
PAE204411	SEP200834	31%	88.7%	89.7%
PAE204411	SHA101706	32%	85.5%	93.4%
PAE204411	SMU101535	30%	94.7%	94.8%
PAE204411	SPN400973	32%	92.0%	95.4%
PAE204411	SPY200440	29%	89.5%	88.0%
PAE204411	TPA100383	31%	96.7%	99.7%
PAE204411	VCH102367	48%	87.7%	87.7%
PAE204411	YPS001012	44%	90.2%	89.5%
PAE204431	ABA100676	71%	100%	100%
PAE204431	BAN101291	54%	95.8%	93.8%
PAE204431	BAN111521	54%	95.8%	93.8%
PAE204431	BFR11426	45%	99.3%	93.5%
PAE204431	BPT102861	64%	99.3%	99.3%
PAE204431	BBU100338	48%	97.2%	94.5%
PAE204431	BCE107311	61%	100%	80.7%
PAE204431	BFU103522	61%	100%	100%
PAE204431	BMA107182	61%	100%	79.3%
PAE204431	CJU101396	52%	97.9%	99.3%
PAE204431	CPN200505	48%	90.8%	86.6%
PAE204431	CTR200395	52%	90.8%	86.7%
PAE204431	CAC102148	52%	100%	98.6%
PAE204431	CBO103121	56%	100%	97.9%
PAE204431	CDF100062	55%	98.6%	97.9%
PAE204431	CDP100045	45%	97.2%	93.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204431	EBC102180	75%	100%	100%
PAE204431	EFA200811	58%	98.6%	95.9%
PAE204431	EFM201491	60%	98.6%	79.5%
PAE204431	ECO103161	74%	100%	100%
PAE204431	HIN101412	72%	100%	100%
PAE204431	HPY100082	54%	93.7%	94.3%
PAE204431	KPN301994	76%	100%	100%
PAE204431	LPN102178	73%	100%	98.6%
PAE204431	LMO100177	53%	95.8%	93.8%
PAE204431	MCA103453	67%	98.6%	97.9%
PAE204431	MAV103415	51%	96.5%	93.2%
PAE204431	MBV101152	51%	95.1%	69.2%
PAE204431	MLP100232	50%	100%	96.6%
PAE204431	MTU203396	51%	96.5%	93.2%
PAE204431	MGE100428	42%	92.3%	90.4%
PAE204431	MPN100225	42%	95.8%	93.2%
PAE204431	NGO101071	64%	100%	99.3%
PAE204431	NME200352	63%	100%	99.3%
PAE204431	PMU100520	72%	100%	100%
PAE204431	PRT100489	76%	100%	100%
PAE204431	PAE204431	100%	100%	100%
PAE204431	PPU105984	92%	100%	100%
PAE204431	PSY103838	92%	99.3%	99.3%
PAE204431	SPA100958	74%	100%	100%
PAE204431	STY101563	74%	100%	100%
PAE204431	SAU802218	55%	99.3%	97.2%
PAE204431	SEP202048	53%	99.3%	97.2%
PAE204431	SHA100040	55%	75.4%	95.5%
PAE204431	SMU101369	54%	98.6%	94.6%
PAE204431	SPN400271	56%	98.6%	94.6%
PAE204431	SPY201486	57%	98.6%	94.6%
PAE204431	TPA101015	50%	98.6%	98.6%
PAE204431	UUR100584	46%	92.3%	88.5%
PAE204431	VCH100560	73%	100%	100%
PAE204431	YPS002279	76%	100%	100%
PAE204471	ABA105025	27%	80.5%	89.9%
PAE204471	BPT104331	40%	77.5%	84.2%
PAE204471	BCE108946	33%	62%	79.7%
PAE204471	BFU113836	35%	85%	57.5%
PAE204471	BMA107760	38%	79.5%	80.9%
PAE204471	EBC106360	39%	84%	91.3%
PAE204471	ECO104124	38%	84%	91.3%
PAE204471	HIN101125	35%	86.5%	93.3%
PAE204471	KPN303808	40%	84%	91.3%
PAE204471	LPN100214	39%	77.5%	97.5%
PAE204471	MCA102216	23%	65.5%	77.8%
PAE204471	NGO100967	33%	77%	91.1%
PAE204471	NME200966	34%	79%	82.2%
PAE204471	PMU100119	39%	84.5%	91.7%
PAE204471	PRT101288	38%	86.5%	95.7%
PAE204471	PAE204471	100%	100%	100%
PAE204471	PPU103909	72%	84.5%	97.7%
PAE204471	PSY106620	72%	84%	97.1%
PAE204471	SPA102763	39%	84%	91.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204471	STY103886	39%	84%	91.3%
PAE204471	VCH102499	40%	75.5%	77.7%
PAE204471	YPS003251	44%	83.5%	91.2%
PAE204504	BAN101161	32%	96.9%	97.6%
PAE204504	BAN109013	33%	97.2%	96.6%
PAE204504	BAN110060	45%	96.6%	4.8%
PAE204504	BBU100334	45%	82.7%	84.8%
PAE204504	BCE106540	66%	80.2%	97.7%
PAE204504	BFU109289	65%	98.1%	93.2%
PAE204504	CPN200062	41%	93.2%	93.5%
PAE204504	CTR200061	41%	77.7%	86.9%
PAE204504	CAC102648	42%	97.5%	97.2%
PAE204504	CAC100116	43%	97.5%	97.9%
PAE204504	CAC103762	44%	97.5%	91.1%
PAE204504	CBO102577	45%	97.5%	98.1%
PAE204504	CDF100134	45%	63.8%	99.5%
PAE204504	CDF104004	44%	97.5%	98.1%
PAE204504	EBC101780	57%	98.8%	95.5%
PAE204504	EFA200365	45%	83.6%	84.0%
PAE204504	EFM201099	46%	85.1%	85.5%
PAE204504	ECO103463	58%	98.8%	95.5%
PAE204504	HIN101157	59%	97.8%	96.9%
PAE204504	HPY100298	50%	78.9%	95.1%
PAE204504	KPN304278	58%	98.8%	94.7%
PAE204504	LMO100693	48%	76.8%	77.0%
PAE204504	MCA100410	44%	77.4%	76.1%
PAE204504	MAV100734	47%	99.1%	4.1%
PAE204504	MBV105548	47%	99.1%	4.1%
PAE204504	MLP100690	46%	99.1%	4.1%
PAE204504	MTU201264	47%	99.1%	4.1%
PAE204504	PMU100240	56%	96.9%	96.3%
PAE204504	PRT105675	58%	98.1%	95.2%
PAE204504	PAE204504	100%	100%	100%
PAE204504	PPU101434	87%	99.7%	100%
PAE204504	PSY104896	87%	57.9%	98.9%
PAE204504	SPA100907	54%	98.8%	96.7%
PAE204504	STY100773	57%	98.8%	94.7%
PAE204504	SAU800993	45%	99.1%	98.2%
PAE204504	SEP200214	45%	76.8%	80.1%
PAE204504	SHA101387	43%	83.6%	85.0%
PAE204504	SMU101520	42%	83.3%	79.8%
PAE204504	SPN301765	44%	81.4%	83.4%
PAE204504	SPY200219	43%	81.4%	83.7%
PAE204504	VCH101076	46%	97.8%	95.8%
PAE204504	YPS002619	58%	98.1%	94.6%
PAE204510	ABA105527	61%	100%	98.0%
PAE204510	BPT101554	60%	97.7%	82.3%
PAE204510	BCE104233	60%	100%	100%
PAE204510	BFU100324	58%	99.7%	99.7%
PAE204510	BMA108732	60%	99.7%	99.7%
PAE204510	EBC107794	56%	98.3%	98.3%
PAE204510	KPN307613	65%	99.7%	99%
PAE204510	PAE204510	100%	100%	100%
PAE204510	PPU111291	69%	99.0%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204510	SPA101767	53%	67.2%	94.9%
PAE204510	STY102347	57%	98.3%	97.0%
PAE204540	ABA101867	66%	99.9%	99.3%
PAE204540	BAN105594	32%	21.7%	100%
PAE204540	BAN100493	45%	26.0%	97.4%
PAE204540	BAN103472	49%	42.4%	89.1%
PAE204540	BAN107108	54%	99.8%	99.5%
PAE204540	BFR10905	35%	98.5%	98.1%
PAE204540	BFR101559	52%	99.9%	99.8%
PAE204540	BPT101928	64%	99.9%	99.4%
PAE204540	BCE104127	43%	5.2%	81.5%
PAE204540	BCE108256	67%	99.9%	99.4%
PAE204540	BFU101142	69%	76.0%	98.9%
PAE204540	BMA104295	67%	99.9%	99.4%
PAE204540	CJU100472	47%	99.4%	98.9%
PAE204540	CPN200617	48%	99.6%	98.5%
PAE204540	CTR200383	49%	99.6%	99.1%
PAE204540	CAC100315	50%	99.5%	99.1%
PAE204540	CBO100316	52%	99.8%	99.5%
PAE204540	CDF100817	52%	98.6%	98.4%
PAE204540	CDP102540	46%	3.5%	45.5%
PAE204540	CDP101419	55%	99.3%	99.1%
PAE204540	EBC100668	71%	65.1%	99.6%
PAE204540	EFA200871	55%	99.9%	99.1%
PAE204540	EFM202090	55%	99.9%	99.0%
PAE204540	ECO102539	71%	99.8%	99.6%
PAE204540	HIN100839	69%	99.6%	99.5%
PAE204540	HPY100260	48%	99.4%	99.1%
PAE204540	KPN301209	70%	99.8%	99.6%
PAE204540	LPN102913	73%	98.2%	99.6%
PAE204540	LMO101394	52%	99.9%	99.5%
PAE204540	MCA100931	64%	99.9%	96.2%
PAE204540	MAV101212	55%	99.1%	96.9%
PAE204540	MBV100178	57%	95.0%	99.3%
PAE204540	MLP101480	55%	98.7%	98.5%
PAE204540	MTU200383	56%	98.7%	98.5%
PAE204540	MGE100365	48%	82.3%	98.6%
PAE204540	MPN100311	49%	79.4%	95.0%
PAE204540	NGO100439	63%	100%	100%
PAE204540	NME201542	63%	100%	100%
PAE204540	PMU101704	69%	98.7%	98.6%
PAE204540	PRT105204	70%	99.8%	99.5%
PAE204540	PAE204540	100%	100%	100%
PAE204540	PPU108177	89%	99.9%	99.9%
PAE204540	PSY100953	88%	95.9%	99.9%
PAE204540	SPA106334	73%	39.9%	100%
PAE204540	STY102189	71%	99.8%	99.6%
PAE204540	SAU800975	51%	99.4%	98.6%
PAE204540	SEP200200	51%	99.5%	98.7%
PAE204540	SHA100227	55%	89.5%	94.8%
PAE204540	SMU100300	42%	97.2%	96.9%
PAE204540	SPN300759	45%	79.7%	81.6%
PAE204540	SPY201161	44%	79.7%	80.7%
PAE204540	TPA100070	52%	99.9%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204540	UUR100394	47%	81.4%	98.0%
PAE204540	VCH100698	70%	99.6%	99.5%
PAE204540	YPS002837	69%	99.8%	99.6%
PAE204574	ABA105409	34%	98.4%	92.9%
PAE204574	CAC101486	25%	86.3%	91.9%
PAE204574	CBO102395	25%	87.1%	91.5%
PAE204574	CDF101894	34%	89.2%	96.0%
PAE204574	EBC100812	36%	42.1%	82.1%
PAE204574	ECO100930	37%	49.7%	68.4%
PAE204574	HIN101290	34%	54.3%	74.2%
PAE204574	KPN300544	54%	17.0%	78.1%
PAE204574	MCA101111	34%	90.9%	98.0%
PAE204574	PMU100483	32%	63.5%	88.4%
PAE204574	PRT100044	50%	26.1%	77.3%
PAE204574	PAE204574	100%	100%	100%
PAE204574	PPU109786	81%	98.8%	99.4%
PAE204574	PSY104889	82%	89.7%	98.1%
PAE204574	SPA103381	35%	49.7%	68.6%
PAE204574	STY103600	37%	49.7%	68.4%
PAE204574	TPA100015	29%	91.3%	94.2%
PAE204574	VCH103693	35%	94.9%	99.1%
PAE204574	YPS002136	38%	55.1%	73.9%
PAE204580	BCE109900	69%	99.0%	85.3%
PAE204580	CAC102583	33%	95.0%	95.9%
PAE204580	MBV101045	29%	25.2%	24.4%
PAE204580	MTU202418	29%	25.2%	24.4%
PAE204580	PAE204580	100%	100%	100%
PAE204596	ABA100290	53%	48.9%	99.5%
PAE204596	BCE108487	56%	98.5%	97.8%
PAE204596	EFA201472	25%	19.9%	90.6%
PAE204596	KPN200571	52%	47.9%	98.6%
PAE204596	NME100473	50%	72.9%	98.9%
PAE204596	PAE204596	100%	100%	100%
PAE204596	PPU110586	82%	100%	100%
PAE204596	PSY100581	77%	99.8%	99.4%
PAE204614	BPT100481	31%	97.9%	97.1%
PAE204614	BCE102421	22%	90.7%	93.9%
PAE204614	BFU110855	23%	94.6%	80.7%
PAE204614	EFA201253	22%	92.5%	91.6%
PAE204614	EFM101557	23%	88.9%	85.7%
PAE204614	HIN100139	22%	96.4%	98.8%
PAE204614	HIN101007	22%	84.3%	83.2%
PAE204614	KPN302119	21%	94.0%	92.7%
PAE204614	PMU100275	51%	99.1%	87.4%
PAE204614	PAE205162	53%	97.0%	97.3%
PAE204614	PAE200883	54%	99.4%	99.4%
PAE204614	PAE204614	100%	100%	100%
PAE204614	PPU108073	20%	93.7%	95.4%
PAE204614	PSY105642	23%	92.5%	89.1%
PAE204614	STM101198	23%	86.4%	86.9%
PAE204614	TPA100947	20%	78.0%	78.1%
PAE204614	VCH101899	44%	99.7%	100%
PAE204614	YPS003054	20%	83.4%	84.8%
PAE204622	BPT102188	25%	92.6%	92.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204622	BCE111864	25%	92.3%	98.9%
PAE204622	BMA101644	24%	93.0%	97.9%
PAE204622	PAE204622	100%	100%	100%
PAE204622	PPU105745	25%	94.0%	95.3%
PAE204662	ABA105579	66%	99.4%	98.3%
PAE204662	BAN113068	48%	94.7%	99.4%
PAE204662	BAN100929	51%	98.1%	99.4%
PAE204662	BFR11151	47%	97.8%	97.3%
PAE204662	BPT101750	61%	99.7%	99.2%
PAE204662	BBU100195	48%	97.5%	98.3%
PAE204662	BCE108751	60%	100%	99.4%
PAE204662	BFU107325	60%	100%	99.4%
PAE204662	BMA103540	60%	100%	99.4%
PAE204662	CJU101518	53%	97.5%	98.3%
PAE204662	CPN200648	49%	93.3%	94.7%
PAE204662	CTR200287	50%	92.5%	93.3%
PAE204662	CAC101625	52%	98.9%	99.2%
PAE204662	CBO100481	52%	98.6%	99.2%
PAE204662	CDF101347	53%	98.3%	100%
PAE204662	CDP100071	43%	98.3%	99.4%
PAE204662	EBC100920	72%	68.3%	99.2%
PAE204662	EFA201655	53%	96.7%	97.5%
PAE204662	EFM200375	52%	97.5%	98.3%
PAE204662	ECO101184	65%	100%	99.4%
PAE204662	HIN101530	63%	100%	99.2%
PAE204662	HPY100075	52%	96.7%	98.3%
PAE204662	KPN303478	65%	100%	99.4%
PAE204662	LPN101572	62%	99.7%	99.2%
PAE204662	LMO101439	50%	98.1%	98.6%
PAE204662	MCA100127	60%	99.7%	99.4%
PAE204662	MAV106507	43%	94.7%	95.5%
PAE204662	MBV105506	43%	94.7%	95.5%
PAE204662	MLP100700	42%	95.6%	96.4%
PAE204662	MTU201282	43%	94.7%	95.5%
PAE204662	MGE100263	47%	89.4%	89.4%
PAE204662	MPN100475	47%	89.4%	89.4%
PAE204662	NGO100540	62%	100%	100%
PAE204662	NME201794	62%	100%	100%
PAE204662	PMU100555	62%	100%	99.4%
PAE204662	PRT101055	65%	100%	99.4%
PAE204662	PAE204662	100%	100%	100%
PAE204662	PPU109700	84%	100%	100%
PAE204662	PSY102423	85%	100%	100%
PAE204662	SPA100352	58%	100%	99.4%
PAE204662	STY101661	65%	100%	99.4%
PAE204662	SAU802118	52%	98.9%	99.2%
PAE204662	SEP201909	51%	98.9%	99.2%
PAE204662	SHA100601	50%	98.9%	99.2%
PAE204662	SMU100318	51%	98.6%	99.2%
PAE204662	SPN400924	49%	98.6%	99.2%
PAE204662	SPY200868	51%	99.2%	99.7%
PAE204662	TPA100050	48%	95%	97.4%
PAE204662	UUR100003	46%	91.9%	91.9%
PAE204662	VCH102146	61%	100%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204662	YPS003258	63%	100%	99.4%
PAE204668	ABA100156	59%	47.1%	99.0%
PAE204668	BFR10466	28%	88.7%	88.3%
PAE204668	BPT100615	46%	96.6%	95.1%
PAE204668	BBU100785	33%	83.8%	77.6%
PAE204668	BCE100941	45%	86.3%	87.1%
PAE204668	BFU104372	42%	73.5%	93.9%
PAE204668	BMA104337	40%	93.6%	92.3%
PAE204668	CJU100280	24%	91.7%	100%
PAE204668	CPN200893	33%	79.4%	88.6%
PAE204668	CTR200177	33%	82.8%	91.9%
PAE204668	CBO100745	29%	82.4%	80%
PAE204668	CDP100213	27%	98.5%	93.7%
PAE204668	EBC102919	43%	45.6%	97.9%
PAE204668	EFA200510	30%	90.2%	86.6%
PAE204668	EFM200879	29%	89.2%	86.1%
PAE204668	ECO102144	38%	45.6%	97.9%
PAE204668	HIN101596	48%	45.6%	96.8%
PAE204668	HPY101475	22%	83.3%	92.1%
PAE204668	KPN301785	39%	45.6%	97.9%
PAE204668	LPN100134	50%	28.4%	87.9%
PAE204668	LMO100830	30%	86.8%	82.1%
PAE204668	MCA100395	42%	100%	91.9%
PAE204668	MAV105518	33%	97.5%	85.4%
PAE204668	MBV105580	33%	97.5%	87.9%
PAE204668	MLP100176	32%	82.8%	74.9%
PAE204668	MTU201004	33%	97.5%	87.9%
PAE204668	NGO101086	40%	89.2%	95.3%
PAE204668	NME201008	40%	89.2%	95.3%
PAE204668	PMU100639	44%	46.1%	98.9%
PAE204668	PRT101142	41%	44.6%	95.7%
PAE204668	PAE204668	100%	100%	100%
PAE204668	PPU104091	68%	100%	100%
PAE204668	PSY102433	70%	100%	100%
PAE204668	STY104335	39%	45.6%	97.9%
PAE204668	STM100156	39%	45.6%	97.9%
PAE204668	SAU800501	33%	77.5%	68.2%
PAE204668	SEP201834	34%	77.5%	67.6%
PAE204668	SHA100294	35%	77.5%	67.0%
PAE204668	TPA100368	28%	96.6%	95.9%
PAE204668	VCH101613	42%	44.1%	95.7%
PAE204668	YPS000333	43%	45.1%	96.8%
PAE204678	PAE204678	100%	100%	100%
PAE204687	BPT100111	39%	90.1%	83.6%
PAE204687	BCE114267	38%	52.5%	82.4%
PAE204687	BFU101584	37%	88.1%	72.5%
PAE204687	BMA106126	36%	88.1%	85.9%
PAE204687	CJU100346	26%	57.4%	59.8%
PAE204687	CAC101034	41%	24.8%	22.2%
PAE204687	CAC102777	28%	70.8%	65.1%
PAE204687	EBC103549	42%	68.8%	93.3%
PAE204687	ECO101936	37%	95.0%	91.5%
PAE204687	KPN302540	39%	86.6%	90.5%
PAE204687	PMU100538	36%	85.1%	82.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204687	PAE204687	100%	100%	100%
PAE204687	PPU100087	65%	96.5%	99.0%
PAE204687	PSY107002	73%	96.5%	92.4%
PAE204687	SPA101603	39%	88.6%	94.1%
PAE204687	STY101659	40%	88.6%	88.4%
PAE204687	STM102305	40%	88.6%	88.4%
PAE204687	TPA100566	28%	37.1%	24.2%
PAE204687	YPS003144	40%	95.0%	93.7%
PAE204705	BPT102469	46%	96.9%	92.5%
PAE204705	BCE107363	45%	64.7%	84.4%
PAE204705	BMA106285	47%	99.7%	86.8%
PAE204705	EBC101854	45%	93.5%	96.4%
PAE204705	ECO204406	41%	93.8%	95.6%
PAE204705	KPN303846	40%	94.4%	94.2%
PAE204705	PRT100988	38%	94.1%	92.6%
PAE204705	PAE204705	100%	100%	100%
PAE204705	YPS002675	43%	94.6%	95.9%
PAE204740	ABA104593	51%	100%	100%
PAE204740	BAN113310	38%	70.7%	86.8%
PAE204740	BAN110029	48%	77.1%	94.3%
PAE204740	BFR11714	43%	17.5%	0.5%
PAE204740	BPT100248	55%	88.7%	85.4%
PAE204740	BBU100800	41%	79.4%	72.8%
PAE204740	BCE101969	57%	86.7%	99.2%
PAE204740	BFU100867	49%	100%	100%
PAE204740	BMA109716	50%	99.4%	100%
PAE204740	CJU100125	37%	100%	100%
PAE204740	CPN200434	39%	9.6%	2.8%
PAE204740	CTR200365	38%	85.1%	78.2%
PAE204740	CAC100425	52%	68.6%	84.1%
PAE204740	CBO103185	51%	68.3%	82.3%
PAE204740	CDF102888	50%	69.0%	90.6%
PAE204740	CDP100479	50%	68.9%	97.7%
PAE204740	EBC101431	58%	95.6%	99.8%
PAE204740	EFA200621	42%	91.4%	95.7%
PAE204740	EFM201052	45%	77.7%	94.9%
PAE204740	ECO103100	58%	100%	99.9%
PAE204740	HIN101252	58%	93.3%	99.4%
PAE204740	HPY101031	38%	96.5%	85.4%
PAE204740	KPN301426	58%	92.9%	99.9%
PAE204740	LPN102343	67%	51.9%	100%
PAE204740	LMO100282	48%	73.6%	80.6%
PAE204740	MCA100802	52%	97.1%	94.3%
PAE204740	MAV100286	50%	69.5%	99.5%
PAE204740	MBV104310	51%	51.8%	100%
PAE204740	MLP100953	48%	72.4%	68.4%
PAE204740	MTU202801	48%	72.4%	70.2%
PAE204740	MGE100144	41%	67.5%	91.6%
PAE204740	MPN100676	41%	67.9%	92.4%
PAE204740	NGO101494	56%	88.2%	95.1%
PAE204740	NME201748	56%	14.5%	0.8%
PAE204740	PMU100759	58%	92.9%	98.6%
PAE204740	PRT102425	54%	100%	99.9%
PAE204740	PAE204740	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204740	PPU108488	81%	100%	100%
PAE204740	PSY104832	90%	66.0%	100%
PAE204740	SPA101256	67%	55.1%	100%
PAE204740	STY101473	58%	100%	99.9%
PAE204740	SAU801269	48%	77.4%	92.9%
PAE204740	SEP201562	44%	87.9%	97.9%
PAE204740	SHA100514	46%	78.6%	92.0%
PAE204740	SMU100784	44%	88.0%	79.6%
PAE204740	SPN400481	43%	18.1%	1.0%
PAE204740	SPY201321	43%	86.0%	77.3%
PAE204740	TPA100881	49%	71.2%	70.5%
PAE204740	UUR100322	42%	71.1%	98.5%
PAE204740	VCH100631	58%	100%	99.9%
PAE204740	YPS001051	58%	100%	99.9%
PAE204767	ABA104933	84%	99.5%	99.0%
PAE204767	BAN109344	22%	34.1%	43.5%
PAE204767	BAN107706	25%	34.1%	42.4%
PAE204767	BBU100683	25%	34.1%	41.4%
PAE204767	CBO101704	54%	32.5%	36.8%
PAE204767	CDF103639	43%	39.9%	45.9%
PAE204767	EBC103192	87%	99.5%	100%
PAE204767	EFA200385	24%	42.8%	49.9%
PAE204767	ECO103527	86%	99.7%	96.0%
PAE204767	HIN101704	75%	98.7%	98.7%
PAE204767	KPN305761	84%	100%	96.7%
PAE204767	LMO101142	35%	25.5%	27.1%
PAE204767	PAE204767	100%	100%	100%
PAE204767	PPU108584	88%	100%	100%
PAE204767	SPA100379	86%	70.1%	100%
PAE204767	STY100378	86%	99.7%	96.0%
PAE204767	STM104153	87%	99.7%	96.0%
PAE204767	SAU802346	22%	42.8%	49.3%
PAE204767	SEP200052	20%	42.8%	49.3%
PAE204767	SEP200853	20%	42.8%	49.3%
PAE204767	SHA102078	23%	34.6%	43.3%
PAE204767	SMU100940	19%	52.8%	67.4%
PAE204767	VCH103702	83%	99.0%	99.7%
PAE204767	YPS003024	86%	98.4%	98.4%
PAE204800	BFR102771	22%	92.3%	83.3%
PAE204800	BFU102617	25%	97.2%	92.3%
PAE204800	BFU114503	26%	96.6%	92.5%
PAE204800	CPN200469	23%	81.7%	81.6%
PAE204800	CTR200481	21%	87.3%	86.5%
PAE204800	CBO101439	22%	92.0%	88.8%
PAE204800	CBO103058	24%	96.8%	98.5%
PAE204800	CDF104133	22%	94.6%	97.0%
PAE204800	EFA201010	27%	96.8%	98.0%
PAE204800	EFM202030	21%	88.6%	86.2%
PAE204800	LPN101775	26%	33.1%	74.4%
PAE204800	LPN100968	17%	81.1%	84.5%
PAE204800	LPN101607	22%	82.2%	81.8%
PAE204800	LPN102488	22%	95.7%	93.3%
PAE204800	LPN102086	25%	85.8%	86.6%
PAE204800	LMO101800	31%	97.0%	97.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204800	PRT102321	22%	97.0%	92.0%
PAE204800	PAE204800	100%	100%	100%
PAE204800	SPA103770	25%	95.9%	99.3%
PAE204800	STY101003	25%	99.4%	99.6%
PAE204800	SMU101534	28%	95.1%	97.6%
PAE204800	UUR100224	23%	50.5%	37.0%
PAE204826	ABA100265	34%	97.8%	87.3%
PAE204826	BAN104943	33%	46.8%	30.9%
PAE204826	BAN100967	33%	46.8%	30.2%
PAE204826	BCE106941	39%	91.9%	89.7%
PAE204826	BFU102012	37%	98.4%	92.2%
PAE204826	PAE204826	100%	100%	100%
PAE204826	PSY108250	54%	100%	98.4%
PAE204826	SPN402037	24%	58.1%	53.9%
PAE204877	BCE106244	61%	89.8%	87.4%
PAE204877	BFU101663	71%	92.5%	91.5%
PAE204877	BMA101355	59%	96.9%	93.2%
PAE204877	MAV108341	35%	56.9%	26.0%
PAE204877	MAV108800	37%	55.7%	32.7%
PAE204877	MBV102879	33%	62.4%	37.3%
PAE204877	MTU200217	33%	62.4%	37.3%
PAE204877	PAE204877	100%	100%	100%
PAE204877	PSY102852	69%	100%	100%
PAE204883	ABA105321	46%	93.5%	90.6%
PAE204883	ABA104613	56%	94.3%	95.3%
PAE204883	BAN100629	21%	64.9%	60.7%
PAE204883	CDP100940	40%	93.5%	80.8%
PAE204883	EBC101375	34%	17.6%	21.4%
PAE204883	MAV101692	53%	95.9%	96.7%
PAE204883	MBV101707	46%	94.1%	82.0%
PAE204883	MTU203186	46%	94.1%	82.0%
PAE204883	PAE204883	100%	100%	100%
PAE204884	ABA105033	31%	91.0%	92.4%
PAE204884	CDP100938	28%	82.2%	79.7%
PAE204884	MAV101693	36%	80.1%	77.5%
PAE204884	MBV101709	33%	95.9%	91.8%
PAE204884	MTU203187	33%	95.9%	91.8%
PAE204884	PMU100720	27%	22.7%	100%
PAE204884	PAE204884	100%	100%	100%
PAE204909	PAE204909	100%	100%	100%
PAE204909	PPU102291	63%	87.8%	96.1%
PAE204909	PPU111473	61%	94.9%	99.3%
PAE204909	PSY101885	71%	95.2%	90.3%
PAE204911	ABA100134	35%	96.1%	84.7%
PAE204911	BFR11474	25%	77.9%	80.2%
PAE204911	BPT102027	26%	37.2%	24.3%
PAE204911	CAC103630	26%	87.9%	83.1%
PAE204911	CDP102364	28%	86.6%	79.3%
PAE204911	EBC105849	34%	31.6%	55.2%
PAE204911	EFA200852	26%	91.3%	85.0%
PAE204911	EFM200585	27%	90.0%	83.9%
PAE204911	LMO102769	27%	49.8%	50.8%
PAE204911	MCA102056	25%	43.3%	31.1%
PAE204911	MAV100541	29%	83.5%	77.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204911	MBV104034	27%	83.5%	79.2%
PAE204911	MLP100758	28%	83.5%	78.2%
PAE204911	MTU201572	27%	83.5%	79.2%
PAE204911	PRT101899	38%	96.1%	83.5%
PAE204911	PAE204911	100%	100%	100%
PAE204911	VCH102833	30%	77.9%	81.9%
PAE204922	BCE111963	39%	96.0%	99.5%
PAE204922	BFU103134	40%	99.5%	97.7%
PAE204922	BMA100331	41%	96.3%	100%
PAE204922	MAV106939	26%	22.2%	98.0%
PAE204922	MAV106060	40%	9.8%	61.4%
PAE204922	MAV100149	59%	7.7%	91.4%
PAE204922	MAV100499	38%	81.6%	92.8%
PAE204922	MBV103935	37%	94.9%	92.3%
PAE204922	MLP101580	37%	94.9%	90.6%
PAE204922	MTU202530	37%	94.9%	92.3%
PAE204922	PAE204922	100%	100%	100%
PAE204922	PSY101029	68%	99.9%	99.9%
PAE204937	BPT103152	42%	94%	89.9%
PAE204937	BBU100202	28%	67.5%	92.3%
PAE204937	BFU112706	37%	91.2%	85.2%
PAE204937	BMA101625	35%	94.5%	92.7%
PAE204937	EBC103626	44%	98%	96.4%
PAE204937	ECO104064	44%	99.5%	98.6%
PAE204937	HIN100145	41%	90.8%	86.3%
PAE204937	KPN302190	46%	95.2%	89.8%
PAE204937	LPN101026	46%	94.2%	93.9%
PAE204937	PMU100117	40%	89.2%	85.7%
PAE204937	PRT105824	45%	91.2%	87.3%
PAE204937	PAE204937	100%	100%	100%
PAE204937	PPU106672	77%	100%	100%
PAE204937	PSY101054	74%	87.5%	100%
PAE204937	SPA100931	47%	91%	88.0%
PAE204937	STY103753	44%	99.5%	98.6%
PAE204937	STM103534	45%	99.5%	98.6%
PAE204937	SHA102135	32%	12.5%	8.8%
PAE204937	SMU101471	25%	52.2%	70.8%
PAE204937	SPN401959	22%	65.8%	89.6%
PAE204937	SPY201451	22%	65.5%	89.2%
PAE204937	TPA100112	31%	72.5%	92.4%
PAE204937	VCH100344	46%	92.8%	92.9%
PAE204937	YPS003528	42%	100%	99.8%
PAE204953	ABA102900	23%	88.3%	67.9%
PAE204953	PAE204953	100%	100%	100%
PAE204953	PSY101006	51%	99.6%	85.8%
PAE204992	ABA100900	45%	96.7%	99.0%
PAE204992	BAN102901	32%	89.4%	93.2%
PAE204992	BAN110260	35%	95.4%	99.7%
PAE204992	BFR101295	36%	81.9%	94.3%
PAE204992	BPT101485	40%	98.5%	98.8%
PAE204992	BCE103738	41%	96.4%	95.8%
PAE204992	BFU100868	41%	96.8%	96.3%
PAE204992	BMA104055	40%	96.4%	95.8%
PAE204992	CJU100742	31%	94.0%	95.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE204992	CPN200336	30%	83.7%	76.3%
PAE204992	CTR200528	29%	85.2%	79.3%
PAE204992	CAC102735	35%	85.4%	73.2%
PAE204992	CBO102407	31%	94.4%	91.9%
PAE204992	CDF101733	35%	94.4%	98.4%
PAE204992	CDP100583	34%	81.9%	81.4%
PAE204992	EBC101303	34%	68.3%	91.4%
PAE204992	EFA200880	33%	95.0%	98.4%
PAE204992	EFM200467	35%	83.6%	86.4%
PAE204992	ECO100889	40%	96.5%	98.1%
PAE204992	HIN100059	43%	96.5%	97.4%
PAE204992	HPY101065	30%	92.9%	99.8%
PAE204992	KPN302628	40%	97.2%	98.8%
PAE204992	LPN102366	62%	37.1%	100%
PAE204992	LMO100572	31%	95.2%	94.2%
PAE204992	MCA103023	37%	96.4%	94.0%
PAE204992	MBV103347	35%	78.6%	77.2%
PAE204992	MTU201255	35%	78.6%	75.1%
PAE204992	MGE100015	32%	78.6%	81.8%
PAE204992	MPN100135	28%	96.7%	94.5%
PAE204992	NGO101390	35%	95.2%	95.0%
PAE204992	NME200496	35%	95.2%	95.2%
PAE204992	PMU100861	41%	97.0%	98.8%
PAE204992	PRT100905	45%	84.6%	90.8%
PAE204992	PAE204992	100%	100%	100%
PAE204992	PPU104724	86%	98.2%	98.0%
PAE204992	PSY101065	85%	92.0%	99.5%
PAE204992	SPA102062	39%	96.5%	98.1%
PAE204992	STY102916	40%	96.5%	98.1%
PAE204992	STM103304	40%	96.5%	98.1%
PAE204992	SAU801866	36%	95.4%	99.0%
PAE204992	SEP200496	34%	95.4%	99.0%
PAE204992	SHA100848	35%	95.4%	99.0%
PAE204992	SMU100890	32%	95.5%	97.6%
PAE204992	SPN401654	31%	95.4%	96.4%
PAE204992	SPY200167	30%	84.7%	90.1%
PAE204992	UUR100058	27%	82.1%	85.5%
PAE204992	VCH101848	44%	97.2%	98.8%
PAE204992	YPS001285	41%	96.5%	98.1%
PAE205001	BFR100206	25%	31.9%	63.3%
PAE205001	PAE205001	100%	100%	100%
PAE205001	PPU107412	67%	99.2%	100%
PAE205001	PSY103587	68%	99.4%	100%
PAE205019	BAN110014	36%	95.0%	94.0%
PAE205019	BAN108152	44%	97.1%	81.3%
PAE205019	PAE205019	100%	100%	100%
PAE205019	SEP201670	43%	93.3%	77.6%
PAE205019	SHA102287	43%	93.3%	80.3%
PAE205025	ABA101954	42%	90.2%	94.9%
PAE205025	BCE108996	44%	86.3%	100%
PAE205025	BFU105067	50%	88.6%	95.8%
PAE205025	BMA101787	48%	94.7%	79.4%
PAE205025	EBC103468	64%	92.5%	97.1%
PAE205025	ECO101566	64%	90.4%	95.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205025	KPN300303	67%	24.4%	89.2%
PAE205025	KPN306960	65%	90.0%	95.0%
PAE205025	MAV102901	39%	87.2%	92.3%
PAE205025	PRT105954	59%	89.3%	95.1%
PAE205025	PAE205025	100%	100%	100%
PAE205025	PPU102041	77%	89.5%	92.2%
PAE205025	PSY103709	73%	90.0%	94.3%
PAE205025	SPA101239	59%	69.6%	92.7%
PAE205025	STY104352	65%	88.4%	92.8%
PAE205025	STM104155	34%	85.6%	93.0%
PAE205025	SEP201779	20%	84.7%	95.1%
PAE205025	SMU100254	23%	85.4%	95.2%
PAE205025	SPN400875	23%	85.4%	94.7%
PAE205025	VCH101594	33%	84.5%	92.6%
PAE205025	YPS001759	61%	76.3%	89.8%
PAE205031	ABA100013	76%	4.6%	100%
PAE205031	ABA104125	68%	99.8%	99.1%
PAE205031	BAN104217	25%	79.9%	99.1%
PAE205031	BAN108345	28%	93.5%	92.7%
PAE205031	BFR101235	23%	7.8%	7.9%
PAE205031	BPT102078	42%	99.8%	74.8%
PAE205031	BCE113920	42%	98.6%	73.8%
PAE205031	BFU100198	39%	34.3%	99.8%
PAE205031	BMA104976	42%	98.6%	97.6%
PAE205031	CJU100007	42%	98.7%	97.2%
PAE205031	CAC101843	44%	99.1%	98.5%
PAE205031	EBC102948	61%	99.2%	98.1%
PAE205031	ECO103142	61%	99.2%	96.9%
PAE205031	KPN301995	61%	99.2%	98.9%
PAE205031	LMO100872	43%	98.8%	96.7%
PAE205031	MAV104920	43%	98.9%	97.8%
PAE205031	MBV101946	43%	98.9%	97.7%
PAE205031	MLP100042	43%	98.9%	97.8%
PAE205031	MTU203804	43%	98.9%	97.8%
PAE205031	PRT105261	58%	99.5%	99.2%
PAE205031	PAE205031	100%	100%	100%
PAE205031	PPU102045	86%	99.2%	100%
PAE205031	PSY103729	87%	100%	100%
PAE205031	SPA102415	55%	61.6%	100%
PAE205031	STY101531	60%	99.2%	98.9%
PAE205031	STM101808	61%	99.2%	98.9%
PAE205031	SAU800472	41%	97.9%	95.7%
PAE205031	SEP201790	44%	60.2%	95.3%
PAE205031	SHA102040	41%	98.9%	96.6%
PAE205031	SMU100695	42%	98.6%	95.7%
PAE205031	VCH102341	61%	99.2%	98.9%
PAE205031	YPS002267	61%	99.2%	95.7%
PAE205071	CJU100756	35%	83.8%	86.7%
PAE205071	CTR200650	26%	83.1%	84.6%
PAE205071	CBO101539	30%	77.4%	94.9%
PAE205071	PAE205071	100%	100%	100%
PAE205071	PPU109276	83%	100%	99.6%
PAE205071	SPN401250	29%	96.6%	94.5%
PAE205071	VCH103755	34%	92.9%	90.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205072	EBC100031	89%	8.9%	90.6%
PAE205072	EBC101605	77%	62.6%	99.8%
PAE205072	ECO101022	65%	93.7%	95.7%
PAE205072	KPN302507	70%	71.5%	98.3%
PAE205072	PAE205072	100%	100%	100%
PAE205072	PPU109277	77%	94.1%	99.4%
PAE205072	PSY103622	75%	82.1%	100%
PAE205072	SPA100038	83%	36.2%	100%
PAE205072	STY102457	64%	95.1%	97.4%
PAE205072	STM102277	64%	95.1%	97.4%
PAE205072	VCH101268	41%	64.2%	76.7%
PAE205083	BFU101680	30%	86.7%	78.0%
PAE205083	BFU101681	31%	86.7%	76.0%
PAE205083	BFU100476	31%	91.5%	100%
PAE205083	CJU100381	29%	51.9%	48.3%
PAE205083	KPN205131	42%	11.3%	57.9%
PAE205083	PAE205081	77%	72.0%	99.1%
PAE205083	PAE205082	76%	96.6%	97.6%
PAE205083	PAE205083	100%	100%	100%
PAE205188	ABA104674	41%	94.6%	97.9%
PAE205188	BAN105387	25%	88.2%	95.7%
PAE205188	BAN111644	27%	90.9%	94.8%
PAE205188	BPT101679	42%	94.9%	95.1%
PAE205188	BCE103411	42%	73.1%	100%
PAE205188	BFU102353	44%	97.0%	96.8%
PAE205188	BMA102197	42%	99.0%	99.7%
PAE205188	CAC102483	21%	85.9%	88.6%
PAE205188	CBO100978	22%	85.9%	88.5%
PAE205188	CDF103810	22%	89.9%	93.8%
PAE205188	EBC103852	40%	98.3%	98.3%
PAE205188	EFA201930	23%	89.9%	91.6%
PAE205188	ECO103324	41%	98.3%	98.3%
PAE205188	HIN100790	37%	94.3%	94.9%
PAE205188	KPN306988	41%	98.3%	98.3%
PAE205188	LPN100616	38%	95.6%	99.3%
PAE205188	LMO102519	23%	81.8%	85.4%
PAE205188	MCA101414	40%	94.6%	93.9%
PAE205188	NGO100527	41%	95.6%	92.7%
PAE205188	NME200412	42%	95.6%	85.4%
PAE205188	PMU101547	39%	94.3%	96.5%
PAE205188	PRT102606	43%	94.3%	95.9%
PAE205188	PAE205188	100%	100%	100%
PAE205188	PPU109985	65%	99.0%	98.0%
PAE205188	PSY103060	72%	98.7%	89.3%
PAE205188	SPA102217	41%	98.3%	98.3%
PAE205188	STY101381	40%	98.3%	99.0%
PAE205188	STM102899	41%	98.3%	98.3%
PAE205188	SAU800512	21%	94.3%	97.3%
PAE205188	SEP201845	20%	95.3%	98.3%
PAE205188	SHA100697	21%	96.0%	98.6%
PAE205188	SMU101402	25%	80.5%	84.1%
PAE205188	SPN401990	25%	89.6%	93.4%
PAE205188	SPY200090	23%	90.2%	94.1%
PAE205188	VCH102697	41%	95.3%	94.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205188	YPS001563	45%	100%	100%
PAE205194	ABA100490	33%	96.4%	88.0%
PAE205194	BPT100673	32%	78.8%	73.0%
PAE205194	BCE102445	34%	96.1%	100%
PAE205194	BFU105280	32%	96.4%	98.6%
PAE205194	BFU102148	33%	96.4%	94.0%
PAE205194	BMA104486	32%	96.1%	95.2%
PAE205194	EBC103848	32%	97.9%	98.6%
PAE205194	ECO103327	33%	97.9%	97.3%
PAE205194	KPN303187	34%	98.9%	98.0%
PAE205194	MCA102864	34%	80.4%	74.6%
PAE205194	PRT102837	30%	96.4%	96.6%
PAE205194	PAE205194	100%	100%	100%
PAE205194	PPU110005	79%	99.8%	99.8%
PAE205194	PSY103047	77%	95.7%	99.8%
PAE205194	SPA103964	34%	44.4%	100%
PAE205194	STY101367	32%	99.5%	98.9%
PAE205194	VCH102675	37%	78.1%	77.6%
PAE205194	YPS001561	32%	98.4%	97.8%
PAE205202	BFR101794	22%	97.4%	64.0%
PAE205202	BCE100458	28%	97.4%	45.5%
PAE205202	CJU101119	47%	97.2%	33.1%
PAE205202	CPN200065	44%	37.2%	98.6%
PAE205202	CTR200064	43%	35.8%	97.2%
PAE205202	CAC101744	26%	96.9%	45.8%
PAE205202	CDP101483	45%	95.7%	30.2%
PAE205202	EFA200337	31%	37.4%	4.7%
PAE205202	HIN101571	54%	99.5%	99.8%
PAE205202	HPY101470	38%	96.2%	29.3%
PAE205202	LPN101701	46%	98.6%	99.8%
PAE205202	MCA100847	39%	57.8%	15.5%
PAE205202	MBV101495	37%	57.8%	15.2%
PAE205202	MTU202247	37%	57.8%	15.2%
PAE205202	NGO100709	37%	56.9%	16.8%
PAE205202	NME201949	37%	56.9%	16.8%
PAE205202	PMU100249	54%	99.5%	99.8%
PAE205202	PAE205202	100%	100%	100%
PAE205202	VCH102406	56%	99.5%	96.5%
PAE205204	ABA105822	27%	67.8%	62.0%
PAE205204	BAN106815	41%	10.1%	22.9%
PAE205204	BPT104658	35%	39.0%	97.6%
PAE205204	BCE107366	43%	36.6%	81.7%
PAE205204	BFU112174	36%	44.7%	89.1%
PAE205204	BMA105025	43%	44.7%	96.2%
PAE205204	EBC101434	33%	18.3%	98.8%
PAE205204	ECO102988	29%	89.4%	89.4%
PAE205204	HIN101565	32%	44.7%	55.4%
PAE205204	HPY200007	35%	15.4%	10.2%
PAE205204	KPN300455	27%	30.6%	78.5%
PAE205204	KPN308756	31%	88.8%	88.9%
PAE205204	PMU100251	36%	46.5%	57.6%
PAE205204	PRT102174	28%	74.7%	99.3%
PAE205204	PAE205204	100%	100%	100%
PAE205204	PPU102160	63%	100%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205204	PSY103030	67%	100%	96.4%
PAE205204	SPA100425	26%	89.4%	89.4%
PAE205204	STY100794	28%	89.4%	89.4%
PAE205204	VCH102404	30%	85.9%	84.8%
PAE205204	YPS001980	28%	88.8%	88.7%
PAE205205	ABA104023	55%	96.1%	97.6%
PAE205205	EFA202145	33%	44.9%	81.4%
PAE205205	PAE205205	100%	100%	100%
PAE205205	PPU102169	56%	96.8%	98.2%
PAE205205	PSY103027	80%	100%	100%
PAE205205	SMU100546	33%	43.9%	81.5%
PAE205243	BPT104464	29%	34.3%	79.0%
PAE205243	BCE109471	28%	34.8%	79.1%
PAE205243	BFU113717	28%	32.5%	74.7%
PAE205243	BMA102384	27%	32.2%	74.3%
PAE205243	CJU101563	26%	9.2%	35.3%
PAE205243	EBC100769	28%	31.9%	73.3%
PAE205243	ECO100991	29%	22.4%	58.4%
PAE205243	KPN306701	27%	31.9%	73.6%
PAE205243	LMO100238	26%	45.5%	58.7%
PAE205243	MAV107152	27%	38.4%	80.8%
PAE205243	MBV104772	28%	17.4%	26.3%
PAE205243	MTU410483	28%	17.4%	25.1%
PAE205243	NGO101920	29%	32.2%	73.7%
PAE205243	NME200263	30%	32.2%	73.5%
PAE205243	PMU100453	28%	53.4%	54.7%
PAE205243	PAE205243	100%	100%	100%
PAE205243	PPU109970	69%	98.9%	97.5%
PAE205243	PSY101259	71%	99.1%	99.2%
PAE205243	SAU800345	26%	50.6%	54.6%
PAE205243	SHA101901	24%	54.0%	57.5%
PAE205243	TPA100962	30%	54.5%	80.4%
PAE205243	YPS002530	29%	53.6%	54.8%
PAE205294	PAE205294	100%	100%	100%
PAE205294	PPU103162	69%	99.4%	96.4%
PAE205294	PSY101172	70%	98.7%	95.2%
PAE205311	ABA103779	77%	98.7%	98.7%
PAE205311	BAN102385	40%	73.1%	88.7%
PAE205311	BFR100362	41%	96.2%	87.2%
PAE205311	BPT102361	78%	97.4%	97.4%
PAE205311	BBU100349	34%	87.2%	88.0%
PAE205311	BCE112085	76%	97.4%	98.7%
PAE205311	BFU101231	76%	97.4%	98.7%
PAE205311	BMA105211	76%	97.4%	98.7%
PAE205311	CJU100415	51%	79.5%	95.3%
PAE205311	CPN200424	38%	100%	100%
PAE205311	CTR200355	32%	96.2%	98.9%
PAE205311	CAC102140	34%	62.8%	77.8%
PAE205311	CBO103664	47%	43.6%	54.0%
PAE205311	CDF103637	34%	62.8%	79.0%
PAE205311	CDP102158	51%	98.7%	88.5%
PAE205311	EBC103419	77%	84.6%	100%
PAE205311	EFA201573	42%	60.3%	75.8%
PAE205311	EFM101167	44%	60.3%	75.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205311	ECO103559	82%	100%	100%
PAE205311	HIN100931	79%	98.7%	98.7%
PAE205311	HPY100486	39%	78.2%	96.8%
PAE205311	KPN301578	82%	100%	100%
PAE205311	LPN101298	71%	98.7%	98.7%
PAE205311	LMO101238	33%	73.1%	88.7%
PAE205311	MCA101216	84%	98.7%	98.7%
PAE205311	MAV102809	51%	98.7%	87.5%
PAE205311	MBV100101	50%	98.7%	98.7%
PAE205311	MTU202025	51%	98.7%	98.7%
PAE205311	MGE100436	35%	79.5%	95.3%
PAE205311	MPN100218	34%	78.2%	92.3%
PAE205311	NGO101643	73%	97.4%	98.7%
PAE205311	NME202003	73%	97.4%	98.7%
PAE205311	PMU101151	80%	98.7%	98.7%
PAE205311	PRT106105	83%	100%	100%
PAE205311	PAE205311	100%	100%	100%
PAE205311	PPU101950	90%	98.7%	98.7%
PAE205311	PSY101861	90%	97.4%	98.7%
PAE205311	SPA100825	83%	100%	100%
PAE205311	STY104568	83%	100%	100%
PAE205311	SAU801224	40%	73.1%	88.7%
PAE205311	SEP201507	38%	73.1%	88.7%
PAE205311	SHA100085	42%	73.1%	88.7%
PAE205311	SMU103046	55%	43.6%	54.8%
PAE205311	SPN400398	55%	43.6%	54.8%
PAE205311	SPY201454	44%	60.3%	75.8%
PAE205311	TPA100358	29%	98.7%	98.7%
PAE205311	UUR100210	39%	84.6%	100%
PAE205311	VCH100216	78%	97.4%	97.4%
PAE205311	YPS001450	78%	100%	100%
PAE205342	ABA105599	28%	94.6%	76.1%
PAE205342	PAE205342	100%	100%	100%
PAE205342	PPU102173	73%	94.6%	99.2%
PAE205342	PSY103222	66%	95.4%	68.1%
PAE205383	BFU109591	50%	99.7%	81.8%
PAE205383	PAE205383	100%	100%	100%
PAE205383	PPU100194	57%	96.5%	96.5%
PAE205388	BAN103070	37%	89.1%	98.6%
PAE205388	BPT101711	75%	92.2%	92.2%
PAE205388	BFU105977	79%	94.7%	88.6%
PAE205388	EFA201106	22%	42%	52.0%
PAE205388	KPN304983	74%	91.3%	98.3%
PAE205388	PAE205388	100%	100%	100%
PAE205388	PPU110258	79%	92.7%	95.0%
PAE205430	BFR101228	28%	66.7%	73.1%
PAE205430	BFR102053	26%	78.4%	90.0%
PAE205430	BPT100114	35%	71.0%	88.8%
PAE205430	BCE108025	25%	42.7%	72.3%
PAE205430	BFU101321	23%	25.9%	46.4%
PAE205430	BFU101014	25%	22.1%	41.3%
PAE205430	BFU106568	25%	26.7%	49.7%
PAE205430	CJU100863	28%	97.4%	98.0%
PAE205430	CDP101004	52%	73.0%	90.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205430	EFA200701	56%	72.8%	95.7%
PAE205430	EFM101204	34%	94.6%	92.0%
PAE205430	KPN305274	49%	98.0%	99.3%
PAE205430	LPN101609	59%	98.4%	99.2%
PAE205430	PMU101422	50%	99.3%	99.8%
PAE205430	PAE205430	100%	100%	100%
PAE205430	PPU103638	87%	99.0%	99.8%
PAE205430	PSY103300	86%	98.8%	99.7%
PAE205430	SPA103297	48%	96.0%	97.3%
PAE205430	STY101127	49%	98.0%	99.3%
PAE205430	STY104809	49%	98.0%	99.3%
PAE205430	SAU401674	37%	97.9%	100%
PAE205430	SEP200837	36%	97.9%	100%
PAE205430	SHA101707	36%	97.9%	100%
PAE205430	SMU100161	54%	72.5%	95.7%
PAE205430	SPY200896	54%	72.0%	94.0%
PAE205430	TPA100055	50%	97.9%	98.8%
PAE205430	UUR100490	27%	12.4%	10.8%
PAE205430	VCH100540	49%	98.8%	99.5%
PAE205431	BFR11613	51%	96.0%	90.1%
PAE205431	BFR11898	49%	98.7%	92.6%
PAE205431	CJU100965	52%	98.5%	97.7%
PAE205431	CDF100269	49%	93.8%	39.5%
PAE205431	EFM102508	50%	75.4%	99.7%
PAE205431	LPN100100	62%	99.4%	99.6%
PAE205431	MAV103158	47%	94.5%	39.9%
PAE205431	MBV103377	46%	94.5%	39.9%
PAE205431	MTU202929	46%	94.5%	39.9%
PAE205431	PAE205431	100%	100%	100%
PAE205431	PPU102301	92%	100%	100%
PAE205431	PSY103302	92%	76.4%	100%
PAE205431	SAU801526	54%	93.6%	98.4%
PAE205431	SEP200908	54%	93.6%	98.2%
PAE205431	SHA100988	54%	93.6%	98.4%
PAE205431	SMU100533	54%	92.1%	97.1%
PAE205438	BAN105739	30%	76.4%	75.0%
PAE205438	BAN105118	38%	98.4%	98.0%
PAE205438	BFR10181	39%	91.9%	97.1%
PAE205438	BPT100444	47%	99.2%	96.7%
PAE205438	BCE114095	48%	86.8%	100%
PAE205438	BFU114667	46%	99.0%	99.5%
PAE205438	BMA108211	45%	99.0%	99.5%
PAE205438	CJU101027	33%	96.6%	97.4%
PAE205438	CPN201081	38%	87.8%	99.5%
PAE205438	CTR200887	37%	87.9%	100%
PAE205438	CAC100746	37%	98.5%	99.2%
PAE205438	CBO101783	38%	99.0%	99.7%
PAE205438	CDF102800	37%	100%	99.7%
PAE205438	CDP100108	38%	99.0%	94.6%
PAE205438	EBC101111	67%	52.7%	98.5%
PAE205438	EFA201050	38%	99.0%	99.2%
PAE205438	EFM100885	39%	96.4%	99.2%
PAE205438	ECO103725	64%	99.6%	99.9%
PAE205438	HIN101161	55%	99.3%	99.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205438	HPY101457	35%	95.9%	95.3%
PAE205438	KPN303539	63%	99.6%	99.6%
PAE205438	LPN100538	55%	73.1%	100%
PAE205438	LMO100030	39%	98.8%	99.0%
PAE205438	MAV107704	40%	99.0%	97.9%
PAE205438	MBV101967	41%	99.0%	97.7%
PAE205438	MLP100111	39%	99.9%	98.7%
PAE205438	MTU200940	41%	99.0%	97.7%
PAE205438	NGO100682	46%	99.0%	98.8%
PAE205438	NME200026	46%	99.0%	98.8%
PAE205438	PMU100411	57%	99.6%	99.7%
PAE205438	PRT102802	62%	99.3%	99.9%
PAE205438	PAE205438	100%	100%	100%
PAE205438	PPU102313	83%	99.7%	99.6%
PAE205438	PSY103224	84%	94.6%	100%
PAE205438	SPA101953	61%	71.2%	100%
PAE205438	STY102029	64%	99.6%	99.9%
PAE205438	STM101095	64%	99.6%	99.9%
PAE205438	SAU801905	38%	99.2%	99.5%
PAE205438	SEP200564	39%	99.0%	99.2%
PAE205438	SHA100319	39%	98.2%	100%
PAE205438	SMU100987	38%	98.8%	99.3%
PAE205438	SPN400995	38%	99.2%	99.6%
PAE205438	SPY200975	37%	98.8%	99.4%
PAE205438	UUR100506	31%	95.5%	96.0%
PAE205438	VCH100188	61%	99.3%	99.4%
PAE205438	YPS001400	64%	99.3%	99.6%
PAE205473	BAN109731	43%	38.4%	87.5%
PAE205473	BAN101242	43%	38.4%	88%
PAE205473	BFR104541	49%	99.8%	99.5%
PAE205473	BPT102405	78%	99.8%	99.8%
PAE205473	CAC102184	32%	47.9%	99.0%
PAE205473	CBO101470	34%	47.9%	95.5%
PAE205473	CDF103765	40%	37.2%	78.4%
PAE205473	EFA202052	27%	33.5%	57.0%
PAE205473	EFM101244	23%	33.0%	28.4%
PAE205473	ECO104218	25%	31.8%	75.8%
PAE205473	LPN103427	40%	99.8%	100%
PAE205473	MAV102021	21%	60.4%	86.6%
PAE205473	MLP100143	29%	34.2%	25.1%
PAE205473	PAE205473	100%	100%	100%
PAE205473	PPU102004	84%	100%	100%
PAE205473	PSY101204	82%	99.8%	98.8%
PAE205473	STY104427	24%	31.8%	75.8%
PAE205473	SAU603307	30%	22.7%	20.6%
PAE205473	SPN401045	25%	36.9%	28.2%
PAE205473	SPY200845	28%	30.3%	25.9%
PAE205485	BPT100924	33%	99.5%	97.9%
PAE205485	BFU105637	41%	100%	97.7%
PAE205485	BMA105160	40%	100%	81.1%
PAE205485	LPN103658	44%	100%	100%
PAE205485	MCA100137	43%	89.1%	85.2%
PAE205485	NGO101658	37%	97.5%	97.1%
PAE205485	NME200608	37%	97.5%	97.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205485	PAE205485	100%	100%	100%
PAE205485	PPU101987	76%	100%	100%
PAE205485	VCH100112	43%	97.5%	90.6%
PAE205485	YPS001996	40%	99.5%	98.1%
PAE205488	ABA100316	50%	99.6%	99.8%
PAE205488	BAN102267	38%	99.3%	99.4%
PAE205488	BFR100604	41%	99.5%	96.4%
PAE205488	BPT100256	53%	99.5%	99.6%
PAE205488	BBU100547	34%	99.5%	99.7%
PAE205488	BCE100474	56%	99.5%	98.8%
PAE205488	BFU105039	54%	99.5%	98.8%
PAE205488	BMA101951	55%	99.5%	98.8%
PAE205488	CJU100307	35%	99.2%	99.4%
PAE205488	CPN200133	34%	99.2%	99.5%
PAE205488	CTR200769	32%	99.2%	99.5%
PAE205488	CAC100704	36%	99.3%	99.5%
PAE205488	CBO101853	35%	99.9%	99.9%
PAE205488	CDF101827	35%	99.2%	99.3%
PAE205488	CDP100309	38%	99.3%	96.3%
PAE205488	EBC100966	60%	99.6%	100%
PAE205488	EFA200422	36%	99.9%	99.9%
PAE205488	EFM201199	37%	97.8%	99.0%
PAE205488	ECO103770	62%	99.8%	99.5%
PAE205488	HIN100836	58%	99.6%	99.2%
PAE205488	HPY101449	30%	99.8%	99.0%
PAE205488	KPN300745	64%	57.5%	99.2%
PAE205488	LPN100788	57%	99.6%	99.7%
PAE205488	LMO101445	37%	99.3%	99.5%
PAE205488	MCA101289	46%	99.9%	97.1%
PAE205488	MAV106573	37%	99.3%	96.3%
PAE205488	MBV101278	37%	99.3%	98.0%
PAE205488	MLP100854	36%	99.3%	97.9%
PAE205488	MTU201608	37%	99.3%	98.0%
PAE205488	MGE100267	31%	29.9%	94.2%
PAE205488	MPN100458	32%	29.6%	93.1%
PAE205488	NGO100131	52%	100%	100%
PAE205488	NME200430	52%	100%	100%
PAE205488	PMU101065	59%	100%	99.7%
PAE205488	PRT101197	60%	100%	97.9%
PAE205488	PAE205488	100%	100%	100%
PAE205488	PPU101981	80%	100%	100%
PAE205488	PSY103076	78%	100%	100%
PAE205488	SPA103897	60%	99.6%	99.2%
PAE205488	STY103444	60%	99.6%	99.2%
PAE205488	STM101492	60%	99.6%	99.2%
PAE205488	SAU801690	37%	99.3%	99.5%
PAE205488	SEP201683	36%	99.3%	99.5%
PAE205488	SHA100370	41%	54.3%	84.3%
PAE205488	SMU100004	38%	99.3%	99.2%
PAE205488	SPN400032	37%	99.9%	99.9%
PAE205488	SPY200140	38%	99.3%	99.2%
PAE205488	TPA100104	39%	8.8%	14.1%
PAE205488	UUR100418	31%	30.4%	96.5%
PAE205488	VCH100108	60%	99.6%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205488	YPS001307	63%	100%	99.7%
PAE205502	BFU103019	31%	85.7%	83.5%
PAE205502	EBC100672	29%	89.9%	87.4%
PAE205502	EFM201317	25%	82.9%	84.9%
PAE205502	ECO100985	30%	90.3%	85.7%
PAE205502	KPN303620	30%	94.0%	91.5%
PAE205502	MAV108289	26%	79.3%	83.3%
PAE205502	PAE205502	100%	100%	100%
PAE205502	PSY104192	33%	85.3%	85.3%
PAE205502	SEP200584	27%	40.6%	47.8%
PAE205558	ABA100896	59%	97.7%	98.1%
PAE205558	BAN110643	50%	12.2%	91.4%
PAE205558	BAN104645	40%	95.4%	99.6%
PAE205558	BAN109357	53%	67.2%	81.9%
PAE205558	BAN103821	51%	95.4%	87.1%
PAE205558	BFR102668	36%	56.9%	92.5%
PAE205558	BFR10388	48%	96.2%	98.8%
PAE205558	BPT100038	60%	95.8%	91.6%
PAE205558	BBU100430	35%	95.4%	98.4%
PAE205558	BCE105454	57%	97.3%	98.5%
PAE205558	BFU108805	57%	100%	99.6%
PAE205558	BMA104267	57%	97.3%	99.6%
PAE205558	CJU100089	44%	93.9%	98.1%
PAE205558	CPN201047	32%	94.7%	97.3%
PAE205558	CTR200860	34%	94.7%	97.3%
PAE205558	CAC101710	46%	95.8%	99.6%
PAE205558	CBO102512	48%	95.8%	99.6%
PAE205558	CDF103409	47%	95.4%	97.3%
PAE205558	CDP101650	50%	93.9%	74.0%
PAE205558	EBC100300	23%	63.7%	38.2%
PAE205558	EFA200738	48%	96.6%	100%
PAE205558	EFM202398	50%	96.6%	99.2%
PAE205558	ECO102019	26%	59.9%	20.2%
PAE205558	HPY101122	42%	95.8%	99.2%
PAE205558	LPN102841	61%	96.6%	98.4%
PAE205558	LMO100835	51%	95.4%	98.8%
PAE205558	MCA101114	52%	96.9%	98.5%
PAE205558	MAV102095	47%	95.4%	72.5%
PAE205558	MBV106263	47%	97.7%	75.5%
PAE205558	MLP101600	48%	96.2%	72.6%
PAE205558	MTU203863	47%	97.7%	75.5%
PAE205558	MGE100480	29%	73.7%	74.7%
PAE205558	MPN100154	29%	73.7%	74.4%
PAE205558	NGO100785	58%	97.3%	99.2%
PAE205558	NME200071	59%	97.3%	99.2%
PAE205558	PAE205558	100%	100%	100%
PAE205558	PPU102168	83%	99.2%	98.9%
PAE205558	PSY103431	82%	86.6%	98.7%
PAE205558	STY103561	25%	63.7%	22.0%
PAE205558	TPA100269	45%	96.2%	98.4%
PAE205558	VCH102734	61%	96.6%	98.4%
PAE205562	ABA100998	55%	98.7%	98.9%
PAE205562	BAN111462	30%	98.9%	99.4%
PAE205562	BAN104510	37%	98.9%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
PAE205562	BFR11527	35%	98.9%	99.4%
PAE205562	BPT102869	54%	98.5%	98.0%
PAE205562	BBU100178	29%	98.9%	98.3%
PAE205562	BCE104176	53%	99.1%	98.9%
PAE205562	BFU101038	54%	99.1%	98.9%
PAE205562	BMA106211	53%	99.1%	98.9%
PAE205562	CJU100886	33%	99.1%	99.8%
PAE205562	CPN201012	38%	98.9%	99.1%
PAE205562	CTR200070	39%	98.9%	99.1%
PAE205562	CAC100805	35%	98.9%	99.1%
PAE205562	CBO101103	34%	98.9%	99.1%
PAE205562	CDF100515	42%	66.2%	95.3%
PAE205562	CDF102182	36%	98.9%	98.5%
PAE205562	EBC104229	66%	98.9%	99.1%
PAE205562	EFA200716	37%	100%	100%
PAE205562	EFM200971	37%	98.9%	92.9%
PAE205562	ECO103627	66%	98.9%	99.1%
PAE205562	HIN100983	64%	98.9%	97.6%
PAE205562	HPY101431	34%	98.9%	97.2%
PAE205562	KPN302217	67%	98.9%	99.1%
PAE205562	LMO101370	38%	98.9%	99.3%
PAE205562	MCA103209	50%	98.7%	98.1%
PAE205562	MGE100008	28%	98.5%	98.6%
PAE205562	MPN100146	29%	98.9%	99.1%
PAE205562	NGO100139	55%	98.7%	98.7%
PAE205562	NME200423	55%	98.7%	98.7%
PAE205562	PMU101166	65%	98.9%	96.8%
PAE205562	PRT100712	64%	99.3%	99.6%
PAE205562	PAE205562	100%	100%	100%
PAE205562	PPU102190	82%	94.7%	100%
PAE205562	PSY103429	84%	100%	97.0%
PAE205562	SPA101312	60%	98.9%	99.1%
PAE205562	STY103943	66%	98.9%	99.1%
PAE205562	STM100544	66%	98.9%	99.1%
PAE205562	SAU802712	33%	98.9%	99.3%
PAE205562	SEP201292	33%	98.9%	99.3%
PAE205562	SHA101595	33%	98.9%	100%
PAE205562	SMU100160	36%	98.9%	98.7%
PAE205562	SPN400920	37%	98.9%	94.2%
PAE205562	SPY200813	37%	98.9%	98.5%
PAE205562	TPA100544	30%	99.6%	98.8%
PAE205562	UUR100016	30%	98.7%	99.5%
PAE205562	VCH100003	67%	99.1%	97.2%
PAE205562	YPS003478	66%	99.6%	99.8%
SAU100580	BFR11892	34%	42.9%	75.9%
SAU100580	BFR10375	25%	97.7%	97.7%
SAU100580	BCE102742	25%	53.9%	90.2%
SAU100580	BFU103170	29%	96.7%	98.8%
SAU100580	CJU101462	28%	98.3%	99.6%
SAU100580	CAC100937	22%	34.7%	35.4%
SAU100580	CDF101426	21%	61.6%	49.7%
SAU100580	CDF103132	23%	46.5%	19.9%
SAU100580	CDP101424	28%	96.3%	94.0%
SAU100580	EBC104005	28%	64.3%	54.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU100580	EFA102283	49%	95.4%	94.5%
SAU100580	EFM201652	39%	20.5%	86.6%
SAU100580	EFM201984	49%	95.4%	94.5%
SAU100580	ECO104238	25%	89.4%	83.2%
SAU100580	HIN101255	30%	64.7%	78.6%
SAU100580	HPY100837	41%	97.1%	96.6%
SAU100580	KPN204114	28%	64.3%	55.5%
SAU100580	MCA101426	27%	96.7%	97.4%
SAU100580	MAV103592	26%	47.7%	51.3%
SAU100580	MBV103538	26%	95.2%	95.4%
SAU100580	MTU202719	26%	95.2%	93.0%
SAU100580	MPN100494	38%	96.7%	97.6%
SAU100580	NGO100938	40%	97.7%	99.0%
SAU100580	NME200960	40%	97.3%	98.6%
SAU100580	PMU101537	26%	98.3%	98.6%
SAU100580	PRT102780	35%	94.2%	56.9%
SAU100580	PAE202733	29%	53.9%	41.7%
SAU100580	PPU108596	25%	63.7%	69.3%
SAU100580	PSY104041	27%	96.7%	89.6%
SAU100580	SPA101737	24%	67.2%	95.1%
SAU100580	SAU801808	98%	100%	100%
SAU100580	SAU800431	98%	100%	100%
SAU100580	SEP200633	76%	100%	100%
SAU100580	SMU100858	43%	97.9%	98.7%
SAU100580	SPN400790	26%	66.6%	70.8%
SAU100580	SPY201469	47%	97.3%	96.6%
SAU100580	UUR100097	42%	64.3%	99.4%
SAU100580	VCH101740	29%	52.1%	39.3%
SAU100905	BFR11892	34%	42.9%	75.9%
SAU100905	BFR10375	24%	97.7%	97.7%
SAU100905	BCE102742	25%	53.9%	90.2%
SAU100905	BFU103170	29%	96.7%	98.8%
SAU100905	CJU101462	28%	98.3%	99.6%
SAU100905	CAC100937	22%	34.7%	35.4%
SAU100905	CDF101426	21%	61.6%	49.7%
SAU100905	CDF103132	23%	46.5%	19.9%
SAU100905	CDP101424	28%	96.3%	94.0%
SAU100905	EBC104005	29%	62.5%	54.7%
SAU100905	EFA102283	49%	95.4%	94.5%
SAU100905	EFM201652	38%	20.5%	86.6%
SAU100905	EFM201984	49%	95.4%	94.5%
SAU100905	ECO104238	25%	89.4%	83.2%
SAU100905	HIN101255	31%	64.7%	78.6%
SAU100905	HPY100837	41%	97.1%	96.6%
SAU100905	KPN204114	29%	62.5%	55.5%
SAU100905	MCA101426	27%	96.7%	97.4%
SAU100905	MAV103592	26%	47.7%	51.3%
SAU100905	MBV103538	26%	95.2%	95.4%
SAU100905	MTU202719	26%	95.2%	93.0%
SAU100905	MPN100494	38%	96.7%	97.6%
SAU100905	NGO100938	40%	97.7%	99.0%
SAU100905	NME200960	40%	97.3%	98.6%
SAU100905	PMU101537	26%	98.3%	98.6%
SAU100905	PRT102780	36%	94.2%	56.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU100905	PAE202733	30%	53.9%	41.7%
SAU100905	PPU108596	26%	63.7%	69.3%
SAU100905	PSY104041	26%	96.7%	89.6%
SAU100905	SPA101737	25%	67.2%	95.1%
SAU100905	SAU801808	98%	100%	100%
SAU100905	SAU800431	98%	100%	100%
SAU100905	SEP200633	76%	100%	100%
SAU100905	SMU100858	43%	97.9%	98.7%
SAU100905	SPN400790	27%	66.6%	70.8%
SAU100905	SPY201469	47%	97.3%	96.6%
SAU100905	UUR100097	42%	64.3%	99.4%
SAU100905	VCH101740	29%	52.1%	39.3%
SAU102585	BMA109088	24%	20.8%	37.5%
SAU102585	CJU101103	22%	90.9%	55.0%
SAU102585	CPN200123	19%	16.8%	53.4%
SAU102585	CAC103413	20%	98.0%	72.3%
SAU102585	CDP100417	23%	21.5%	75.3%
SAU102585	CDP100776	23%	20.3%	87.8%
SAU102585	HIN101341	20%	70.2%	49.3%
SAU102585	MAV105291	22%	11.9%	50.2%
SAU102585	PPU109363	21%	42.3%	64.9%
SAU102585	PSY103697	21%	37.9%	64.6%
SAU102585	SPA101695	27%	13.3%	16.8%
SAU102585	SAU102585	100%	100%	100%
SAU102585	SEP102493	32%	66.6%	83.2%
SAU102585	SPN401804	33%	6.2%	40.3%
SAU102585	TPA100631	19%	30.9%	45.3%
SAU102585	YPS001764	21%	37.0%	37.4%
SAU103441	EFM100160	82%	100%	31.3%
SAU103441	SAU103441	100%	100%	100%
SAU103443	SAU103443	100%	100%	100%
SAU103735	SAU103735	100%	100%	100%
SAU103752	SAU103752	100%	100%	100%
SAU103780	EFA203644	32%	38.7%	44.6%
SAU103780	SAU103780	100%	100%	100%
SAU104011	SAU104011	100%	100%	100%
SAU104011	SPN200349	63%	100%	97.4%
SAU104011	SPY102409	54%	75%	93.7%
SAU200106	SAU200106	100%	100%	100%
SAU200237	LPN100228	49%	82.1%	33.2%
SAU200237	SAU200237	100%	100%	100%
SAU200237	SEP201396	67%	93.6%	43.8%
SAU200237	VCH101558	36%	81.2%	30.9%
SAU200260	BFR11892	34%	47.5%	55.3%
SAU200260	BFR10375	25%	97.3%	58.7%
SAU200260	BCE102742	31%	33.3%	31.7%
SAU200260	BFU103170	29%	96.5%	61.8%
SAU200260	CJU101462	28%	97.9%	62%
SAU200260	CAC100937	23%	32.7%	22.9%
SAU200260	CBO103378	24%	43.4%	31.8%
SAU200260	CDF101426	22%	39.8%	21.6%
SAU200260	CDF103132	22%	33.9%	9.6%
SAU200260	CDP101424	29%	96.5%	60%
SAU200260	EBC104005	29%	63.7%	36.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU200260	EFA102488	34%	96.5%	63.2%
SAU200260	EFA102283	46%	96.8%	63.6%
SAU200260	EFM201652	40%	31.3%	86.6%
SAU200260	EFM201984	46%	96.8%	63.6%
SAU200260	ECO104238	23%	86.7%	50.5%
SAU200260	HIN101255	30%	47.5%	36.6%
SAU200260	HPY100837	41%	97.3%	64.1%
SAU200260	KPN300684	25%	38.6%	51.6%
SAU200260	MCA101426	25%	96.5%	63.3%
SAU200260	MAV103592	24%	44.2%	32.8%
SAU200260	MBV103538	27%	96.5%	61.4%
SAU200260	MTU202719	27%	96.5%	59.8%
SAU200260	MPN100494	40%	98.8%	65.9%
SAU200260	NGO100938	43%	98.2%	65.8%
SAU200260	NME200960	43%	97.6%	65.4%
SAU200260	PMU101537	25%	99.4%	65.0%
SAU200260	PRT102780	33%	96.5%	36.8%
SAU200260	PAE202733	29%	43.7%	21.8%
SAU200260	PPU108596	33%	36.3%	27.4%
SAU200260	PSY104041	27%	96.5%	55.7%
SAU200260	SPA101737	23%	86.7%	81.4%
SAU200260	SAU800431	99%	100%	65.4%
SAU200260	SAU801808	99%	100%	65.4%
SAU200260	SEP200633	75%	100%	65.4%
SAU200260	SMU100858	47%	98.5%	64.4%
SAU200260	SPN400790	27%	40.4%	29.8%
SAU200260	SPY201469	45%	97.6%	64.1%
SAU200260	UUR100097	50%	47.2%	48.9%
SAU200260	VCH101740	27%	88.5%	39.7%
SAU200470	BFR12473	35%	66.9%	20.1%
SAU200470	BPT104697	38%	97.0%	29.5%
SAU200470	BFU109800	40%	97.0%	14.3%
SAU200470	BMA108112	40%	97.0%	14.6%
SAU200470	CPN200361	25%	58.0%	18.4%
SAU200470	CTR200307	25%	56.8%	18.0%
SAU200470	CAC100478	32%	64.5%	25.1%
SAU200470	CDP101743	52%	69.2%	22.0%
SAU200470	HIN101323	32%	50.9%	11.4%
SAU200470	KPN106560	47%	97.0%	72%
SAU200470	MAV101648	45%	97.0%	27.8%
SAU200470	MBV101535	48%	99.4%	33.7%
SAU200470	MTU202435	48%	99.4%	32.1%
SAU200470	PMU100542	22%	74.0%	22.1%
SAU200470	PAE202150	42%	97.6%	15.1%
SAU200470	PPU100890	41%	97.0%	14.9%
SAU200470	PSY102525	44%	97.0%	14.9%
SAU200470	STM100032	37%	58.6%	17.4%
SAU200470	SAU200470	100%	100%	100%
SAU200470	SPY101987	52%	99.4%	97.6%
SAU200535	BAN102851	22%	99.2%	41.4%
SAU200535	BAN105200	27%	99.2%	40.9%
SAU200535	BBU100829	26%	92.8%	81.9%
SAU200535	CAC102141	24%	99%	88.1%
SAU200535	CBO100905	22%	54.8%	2.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU200535	CBO101427	26%	94.2%	59.8%
SAU200535	CDF103294	25%	92.8%	41.3%
SAU200535	EBC104787	23%	51%	65.0%
SAU200535	EFA200866	30%	92.5%	35.9%
SAU200535	EFM202519	30%	92.8%	36.1%
SAU200535	ECO100389	21%	86%	30.5%
SAU200535	KPN207078	38%	16.2%	74.7%
SAU200535	LMO100865	28%	97.5%	40.6%
SAU200535	MCA102350	25%	91%	44.6%
SAU200535	PAE102229	25%	50.8%	45.7%
SAU200535	SPA101177	25%	56.2%	57.7%
SAU200535	SAU200535	100%	100%	100%
SAU200535	SEP202013	47%	97.5%	81.6%
SAU200535	SHA100868	43%	85.2%	100%
SAU200535	TPA100620	25%	96.2%	40.4%
SAU200535	VCH103246	33%	64.5%	25.0%
SAU200671	SAU200671	100%	100%	100%
SAU201288	ABA101027	35%	96.7%	39.5%
SAU201288	BAN105255	39%	75.4%	31.0%
SAU201288	BAN110745	65%	100%	37.9%
SAU201288	BFR11469	36%	92.6%	17.1%
SAU201288	BFU108548	38%	95.1%	38.0%
SAU201288	CPN200731	48%	91.8%	17.1%
SAU201288	CTR200608	48%	91.8%	17.1%
SAU201288	CBO101881	45%	96.7%	37.2%
SAU201288	CDF100258	41%	82.8%	32.9%
SAU201288	EBC103066	32%	40.2%	7.7%
SAU201288	EFA201271	51%	97.5%	18.5%
SAU201288	ECO100412	34%	40.2%	7.7%
SAU201288	KPN304382	29%	59.0%	22.3%
SAU201288	LMO101318	63%	100%	37.9%
SAU201288	MAV101952	47%	91.8%	33.6%
SAU201288	PAE202246	49%	97.5%	34.6%
SAU201288	SPA102152	44%	20.5%	8.3%
SAU201288	SPA103654	34%	40.2%	7.9%
SAU201288	STY100442	34%	40.2%	7.7%
SAU201288	SAU801516	95%	100%	37.9%
SAU201288	SEP200882	83%	100%	37.9%
SAU201288	SHA100929	82%	100%	48.4%
SAU201288	SMU100292	34%	97.5%	39.4%
SAU201288	SMU101478	39%	91.0%	34.1%
SAU201288	SPN401050	41%	94.3%	35.5%
SAU201288	SPY200776	39%	91.8%	35.5%
SAU201288	TPA100815	31%	50%	9.5%
SAU201383	SAU201383	100%	100%	100%
SAU201900	EFM102391	33%	95.2%	100%
SAU201900	SAU201900	100%	100%	100%
SAU202256	BFR101675	24%	92.2%	27.9%
SAU202256	BFR101280	27%	93.9%	34.3%
SAU202256	BFR105907	25%	86.1%	25%
SAU202256	BCE105474	22%	85.2%	38.3%
SAU202256	BMA100570	26%	87.8%	27.5%
SAU202256	PSY100258	31%	53.9%	30.9%
SAU202256	SAU202256	100%	100%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU202256	TPA100952	23%	95.7%	28.5%
SAU202256	TPA100953	21%	95.7%	28.6%
SAU202256	VCH103501	31%	84.3%	12.8%
SAU202590	BFR102568	34%	98.1%	26.6%
SAU202590	BCE113546	36%	98.1%	26.1%
SAU202590	BFU115336	31%	97.4%	25.5%
SAU202590	BFU112943	33%	99.4%	26.9%
SAU202590	BFU108726	36%	98.1%	25.6%
SAU202590	BMA108339	34%	97.4%	26.6%
SAU202590	CDP100580	31%	98.1%	26.6%
SAU202590	EBC102312	40%	98.1%	27.1%
SAU202590	EFM100662	38%	98.7%	29.4%
SAU202590	ECO100847	40%	98.1%	26.9%
SAU202590	KPN301806	40%	98.1%	26.9%
SAU202590	LMO100148	62%	97.4%	26.6%
SAU202590	MAV104239	34%	100%	27.8%
SAU202590	PRT102417	38%	98.1%	26.8%
SAU202590	PAE202106	37%	99.4%	28.0%
SAU202590	PAE205292	39%	98.7%	27.1%
SAU202590	PSY105421	33%	97.4%	26.7%
SAU202590	STY102871	38%	98.1%	26.9%
SAU202590	SAU802539	98%	100%	27.1%
SAU202590	SEP201171	84%	100%	27.1%
SAU202590	SHA102199	82%	98.7%	26.8%
SAU202590	SPN400642	44%	91.0%	24.2%
SAU202590	YPS001186	40%	98.1%	26.9%
SAU202623	KPN102754	45%	98.4%	50%
SAU202623	PAE100477	39%	97.8%	63.2%
SAU202623	SAU202623	100%	100%	100%
SAU202623	SEP100915	80%	54.1%	100%
SAU202623	SHA100113	80%	97.8%	98.9%
SAU202623	SPN201072	54%	96.8%	53.6%
SAU202623	SPY100161	57%	84.3%	77.8%
SAU202690	NME301637	31%	30.5%	27.9%
SAU202690	SAU202690	100%	100%	100%
SAU202691	BFR105147	23%	92.8%	55.7%
SAU202691	BFR10527	25%	89.7%	67.2%
SAU202691	BCE100457	47%	92.8%	40.0%
SAU202691	BMA102057	48%	92.8%	32.0%
SAU202691	CJU100760	43%	100%	40.8%
SAU202691	CPN201105	28%	71.1%	82.4%
SAU202691	CTR200906	32%	43.3%	59.6%
SAU202691	CAC101806	53%	99.0%	42.1%
SAU202691	EBC104247	49%	93.8%	40.1%
SAU202691	ECO103651	51%	95.4%	40.8%
SAU202691	HPY100675	42%	100%	40.4%
SAU202691	KPN201741	49%	93.8%	40.0%
SAU202691	LPN103319	40%	93.8%	43.1%
SAU202691	MAV102216	46%	99.0%	39.2%
SAU202691	MLP100180	43%	99.0%	39.0%
SAU202691	MTU201007	44%	99.0%	38.8%
SAU202691	NME100470	49%	92.8%	38.4%
SAU202691	PRT104690	46%	95.4%	40.7%
SAU202691	PPU110920	50%	95.9%	46.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU202691	PSY103456	51%	95.9%	41.1%
SAU202691	STY103862	48%	97.9%	40.6%
SAU202691	STM103592	25%	89.7%	33.1%
SAU202691	SAU202691	100%	100%	100%
SAU203433	SAU203433	100%	100%	100%
SAU203500	SAU203500	100%	100%	100%
SAU203732	SAU203732	100%	100%	100%
SAU203799	SAU203799	100%	100%	100%
SAU300404	BFR100550	21%	89.9%	97.5%
SAU300404	BBU100032	26%	12.9%	26.7%
SAU300404	CJU100903	29%	9.3%	13.1%
SAU300404	CAC101721	25%	11.3%	34.4%
SAU300404	SAU300404	100%	100%	100%
SAU300404	SEP201215	21%	21.9%	40.9%
SAU300588	BAN106848	32%	74.3%	77.3%
SAU300588	BAN110265	31%	80.2%	77.5%
SAU300588	SAU300588	100%	100%	100%
SAU300588	SPY103251	26%	77.2%	77.7%
SAU300619	CBO102022	25%	33.0%	27.0%
SAU300619	CDP100884	32%	99.1%	39.2%
SAU300619	HPY101335	23%	33.0%	27.3%
SAU300619	HPY100661	37%	96.9%	63.0%
SAU300619	MBV102520	35%	98.8%	38.8%
SAU300619	MTU201987	44%	9.7%	59.6%
SAU300619	PSY100059	35%	99.1%	38.3%
SAU300619	SAU300619	100%	100%	100%
SAU300619	SHA102843	35%	21.9%	97.7%
SAU300619	SMU101068	25%	13.8%	7.0%
SAU300619	SPY101451	21%	13.1%	61.4%
SAU302611	BAN102481	77%	100%	96.3%
SAU302611	BAN103905	77%	100%	96.3%
SAU302611	BAN105988	77%	100%	96.3%
SAU302611	BAN106606	77%	100%	96.3%
SAU302611	BAN111727	77%	100%	96.3%
SAU302611	BAN102671	77%	100%	96.3%
SAU302611	BAN107521	77%	100%	96.3%
SAU302611	BPT103051	47%	100%	96.3%
SAU302611	BPT102315	47%	100%	96.3%
SAU302611	BPT101460	47%	100%	96.3%
SAU302611	BCE113336	48%	93.8%	96.1%
SAU302611	BMA101766	50%	93.8%	96.1%
SAU302611	BMA103598	50%	93.8%	96.1%
SAU302611	CTR101134	43%	43.4%	95%
SAU302611	CTR101070	43%	43.4%	95%
SAU302611	CDF100373	59%	98.4%	96.2%
SAU302611	CDF100066	62%	100%	97.7%
SAU302611	CDF100273	62%	100%	97.7%
SAU302611	CDF100354	62%	100%	97.7%
SAU302611	CDP100751	50%	95.3%	92.0%
SAU302611	CDP100007	50%	95.3%	92.0%
SAU302611	CDP101023	50%	95.3%	92.0%
SAU302611	CDP101511	50%	95.3%	92.0%
SAU302611	EBC101181	50%	85.3%	94.9%
SAU302611	EFA203228	81%	100%	96.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302611	EFA201544	81%	100%	96.3%
SAU302611	EFA202897	81%	100%	96.3%
SAU302611	EFM102312	84%	100%	96.3%
SAU302611	KPN301087	51%	100%	97.8%
SAU302611	LPN100168	46%	96.9%	100%
SAU302611	MBV100204	50%	97.7%	94.2%
SAU302611	MTU403379	50%	93.0%	92.5%
SAU302611	NGO100418	51%	92.2%	98.4%
SAU302611	NGO101758	55%	92.2%	98.4%
SAU302611	NGO100495	55%	92.2%	98.4%
SAU302611	NGO101930	55%	92.2%	98.4%
SAU302611	PRT103616	48%	100%	97.8%
SAU302611	PRT103569	48%	100%	97.8%
SAU302611	PPU112249	46%	100%	97.8%
SAU302611	PPU100404	46%	100%	97.8%
SAU302611	PPU112128	46%	100%	97.8%
SAU302611	PPU109060	46%	100%	97.8%
SAU302611	PPU107690	46%	100%	97.8%
SAU302611	PPU112220	46%	100%	97.8%
SAU302611	PPU106995	47%	100%	97.8%
SAU302611	SPA103851	51%	100%	97.8%
SAU302611	SAU302613	100%	100%	100%
SAU302611	SAU302611	100%	100%	100%
SAU302611	SAU302882	99%	100%	100%
SAU302611	SAU302873	100%	100%	100%
SAU302611	SAU300286	100%	100%	100%
SAU302611	SEP201307	99%	100%	100%
SAU302611	SEP201974	99%	100%	96.3%
SAU302611	SEP201810	99%	100%	100%
SAU302611	SEP201853	99%	100%	100%
SAU302611	SEP201858	99%	100%	100%
SAU302611	SEP200480	99%	100%	100%
SAU302611	SHA102654	98%	100%	96.3%
SAU302611	SMU101717	68%	100%	97.7%
SAU302611	SMU100578	68%	100%	97.7%
SAU302611	SMU101779	68%	100%	97.7%
SAU302611	SMU101966	68%	100%	97.7%
SAU302611	SMU102028	68%	100%	97.7%
SAU302611	SPY103747	69%	100%	97.7%
SAU302622	SAU302622	100%	100%	100%
SAU302699	ABA101843	62%	58.4%	97.7%
SAU302699	BAN109136	87%	42.6%	100%
SAU302699	BAN111488	84%	61.7%	85.7%
SAU302699	BAN113011	73%	83.3%	96.1%
SAU302699	BAN112567	67%	93.8%	93.7%
SAU302699	BAN108734	73%	83.3%	96.1%
SAU302699	BAN100702	73%	83.3%	96.1%
SAU302699	BAN100392	73%	83.3%	96.1%
SAU302699	BAN102919	73%	83.3%	96.1%
SAU302699	BAN112212	73%	83.3%	96.1%
SAU302699	BAN103103	73%	83.3%	96.1%
SAU302699	BAN107063	73%	83.3%	96.1%
SAU302699	BPT103049	60%	60.8%	99.2%
SAU302699	BPT102318	60%	60.8%	99.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302699	BPT101457	60%	60.8%	99.2%
SAU302699	BCE107431	62%	61.2%	67.7%
SAU302699	BMA103350	62%	61.2%	67.7%
SAU302699	CTR100922	70%	27.3%	36.8%
SAU302699	CTR100972	70%	27.3%	36.8%
SAU302699	CBO101216	66%	71.8%	100%
SAU302699	CBO103473	62%	85.2%	76.7%
SAU302699	CBO102314	62%	85.2%	76.7%
SAU302699	CDF100374	70%	71.8%	99.3%
SAU302699	CDF100272	70%	71.8%	99.3%
SAU302699	CDF100356	70%	71.8%	99.3%
SAU302699	EFA202940	80%	71.8%	98.7%
SAU302699	EFA200232	80%	71.8%	98.7%
SAU302699	EFA203247	80%	71.8%	98.7%
SAU302699	EFM102283	78%	71.8%	99.3%
SAU302699	KPN301088	59%	69.4%	100%
SAU302699	LPN102537	64%	68.9%	69.6%
SAU302699	MCA101987	63%	58.4%	97.7%
SAU302699	NGO100485	56%	78.0%	81.0%
SAU302699	NGO101739	60%	78.0%	80.9%
SAU302699	NGO100416	60%	78.0%	80.9%
SAU302699	NGO101928	60%	78.0%	80.9%
SAU302699	NME102279	56%	78.0%	81.4%
SAU302699	PAE106765	53%	85.2%	83.6%
SAU302699	PPU102360	64%	66.0%	94.1%
SAU302699	PPU100405	64%	66.0%	94.1%
SAU302699	PPU109021	64%	66.0%	94.1%
SAU302699	PPU106972	64%	66.0%	94.1%
SAU302699	PPU102859	64%	66.0%	94.1%
SAU302699	PPU112386	64%	66.0%	94.1%
SAU302699	PPU110948	64%	66.0%	94.1%
SAU302699	PSY106900	64%	64.1%	100%
SAU302699	PSY107681	64%	64.1%	100%
SAU302699	PSY108788	64%	64.1%	100%
SAU302699	SPA103852	61%	63.6%	100%
SAU302699	SAU301433	100%	100%	100%
SAU302699	SAU302699	100%	100%	100%
SAU302699	SAU302746	99%	100%	100%
SAU302699	SAU300348	99%	100%	100%
SAU302699	SAU302851	99%	100%	100%
SAU302699	SEP201306	96%	76.6%	76.4%
SAU302699	SEP201972	96%	76.6%	76.4%
SAU302699	SEP201811	96%	76.6%	76.4%
SAU302699	SEP201854	96%	76.6%	76.4%
SAU302699	SEP201859	96%	76.6%	76.4%
SAU302699	SEP200478	96%	76.6%	76.4%
SAU302699	SHA102575	98%	71.8%	100%
SAU302699	SMU101810	79%	62.7%	86%
SAU302699	SMU100577	79%	62.7%	86%
SAU302699	SMU102074	79%	62.7%	86%
SAU302699	SMU101683	79%	62.7%	86%
SAU302699	SMU101835	79%	62.7%	86%
SAU302699	SPN102801	83%	62.2%	85.2%
SAU302699	SPY103387	77%	71.8%	99.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302737	SAU302737	100%	100%	100%
SAU302746	ABA101843	62%	58.4%	97.7%
SAU302746	BAN109136	87%	42.6%	100%
SAU302746	BAN111488	83%	61.7%	85.7%
SAU302746	BAN113011	72%	83.3%	96.1%
SAU302746	BAN112567	66%	93.8%	93.7%
SAU302746	BAN108734	72%	83.3%	96.1%
SAU302746	BAN100702	72%	83.3%	96.1%
SAU302746	BAN100392	72%	83.3%	96.1%
SAU302746	BAN102919	72%	83.3%	96.1%
SAU302746	BAN112212	72%	83.3%	96.1%
SAU302746	BAN103103	72%	83.3%	96.1%
SAU302746	BAN107063	72%	83.3%	96.1%
SAU302746	BPT103049	59%	60.8%	99.2%
SAU302746	BPT102318	59%	60.8%	99.2%
SAU302746	BPT101457	59%	60.8%	99.2%
SAU302746	BCE107431	61%	61.2%	67.7%
SAU302746	BMA103350	61%	61.2%	67.7%
SAU302746	CTR100922	70%	27.3%	36.8%
SAU302746	CTR100972	70%	27.3%	36.8%
SAU302746	CBO101216	65%	71.8%	100%
SAU302746	CBO103473	61%	85.2%	76.7%
SAU302746	CBO102314	61%	85.2%	76.7%
SAU302746	CDF100374	70%	71.8%	99.3%
SAU302746	CDF100272	70%	71.8%	99.3%
SAU302746	CDF100356	70%	71.8%	99.3%
SAU302746	EFA202940	79%	71.8%	98.7%
SAU302746	EFA200232	79%	71.8%	98.7%
SAU302746	EFA203247	79%	71.8%	98.7%
SAU302746	EFM102283	78%	71.8%	99.3%
SAU302746	KPN301088	58%	69.4%	100%
SAU302746	LPN102537	63%	68.9%	69.6%
SAU302746	MCA101987	62%	58.4%	97.7%
SAU302746	NGO100485	56%	78.0%	81.0%
SAU302746	NGO101739	60%	78.0%	80.9%
SAU302746	NGO100416	60%	78.0%	80.9%
SAU302746	NGO101928	60%	78.0%	80.9%
SAU302746	NME102279	56%	78.0%	81.4%
SAU302746	PAB106765	58%	75.1%	75.5%
SAU302746	PPU102360	63%	66.0%	94.1%
SAU302746	PPU100405	63%	66.0%	94.1%
SAU302746	PPU109021	63%	66.0%	94.1%
SAU302746	PPU106972	63%	66.0%	94.1%
SAU302746	PPU102859	63%	66.0%	94.1%
SAU302746	PPU112386	63%	66.0%	94.1%
SAU302746	PPU110948	63%	66.0%	94.1%
SAU302746	PSY106900	64%	64.1%	100%
SAU302746	PSY107681	64%	64.1%	100%
SAU302746	PSY108788	64%	64.1%	100%
SAU302746	SPA103852	60%	63.6%	100%
SAU302746	SAU300348	99%	100%	100%
SAU302746	SAU302746	100%	100%	100%
SAU302746	SAU301433	99%	100%	100%
SAU302746	SAU302699	99%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302746	SAU302851	99%	100%	100%
SAU302746	SEP201306	95%	76.6%	76.4%
SAU302746	SEP201972	95%	76.6%	76.4%
SAU302746	SEP201811	95%	76.6%	76.4%
SAU302746	SEP201854	95%	76.6%	76.4%
SAU302746	SEP201859	95%	76.6%	76.4%
SAU302746	SEP200478	95%	76.6%	76.4%
SAU302746	SHA102575	98%	71.8%	100%
SAU302746	SMU101810	78%	62.7%	86%
SAU302746	SMU100577	78%	62.7%	86%
SAU302746	SMU102074	78%	62.7%	86%
SAU302746	SMU101683	78%	62.7%	86%
SAU302746	SMU101835	78%	62.7%	86%
SAU302746	SPN102801	83%	62.2%	85.2%
SAU302746	SPY103387	76%	71.8%	99.3%
SAU302793	EFA104057	63%	100%	100%
SAU302793	EFM100700	68%	79.1%	100%
SAU302793	KPN104217	55%	98.7%	88.7%
SAU302793	MCA102759	51%	100%	100%
SAU302793	SAU302793	100%	100%	100%
SAU302793	SPY102377	51%	31.5%	75.8%
SAU302812	SAU302812	100%	100%	100%
SAU302882	BAN102481	76%	100%	96.3%
SAU302882	BAN103905	76%	100%	96.3%
SAU302882	BAN105988	76%	100%	96.3%
SAU302882	BAN106606	76%	100%	96.3%
SAU302882	BAN111727	76%	100%	96.3%
SAU302882	BAN102671	76%	100%	96.3%
SAU302882	BAN107521	76%	100%	96.3%
SAU302882	BPT103051	46%	100%	96.3%
SAU302882	BPT102315	46%	100%	96.3%
SAU302882	BPT101460	46%	100%	96.3%
SAU302882	BCE113336	47%	93.8%	96.1%
SAU302882	BMA101766	49%	93.8%	96.1%
SAU302882	BMA103598	49%	93.8%	96.1%
SAU302882	CTR101134	43%	43.4%	95%
SAU302882	CTR101070	43%	43.4%	95%
SAU302882	CDF100373	59%	98.4%	96.2%
SAU302882	CDF100066	61%	100%	97.7%
SAU302882	CDF100273	62%	100%	97.7%
SAU302882	CDF100354	62%	100%	97.7%
SAU302882	CDP100751	49%	95.3%	92.0%
SAU302882	CDP100007	49%	95.3%	92.0%
SAU302882	CDP101023	49%	95.3%	92.0%
SAU302882	CDP101511	49%	95.3%	92.0%
SAU302882	EBC101181	50%	85.3%	94.9%
SAU302882	EFA203228	80%	100%	96.3%
SAU302882	EFA201544	80%	100%	96.3%
SAU302882	EFA202897	80%	100%	96.3%
SAU302882	EFM102312	83%	100%	96.3%
SAU302882	KPN301087	50%	100%	97.8%
SAU302882	LPN100168	45%	96.9%	100%
SAU302882	MBV100204	49%	97.7%	94.2%
SAU302882	MTU403379	49%	93.0%	92.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU302882	NGO100418	50%	92.2%	98.4%
SAU302882	NGO101758	54%	92.2%	98.4%
SAU302882	NGO100495	54%	92.2%	98.4%
SAU302882	NGO101930	54%	92.2%	98.4%
SAU302882	PRT103616	48%	100%	97.8%
SAU302882	PRT103569	48%	100%	97.8%
SAU302882	PPU112249	45%	100%	97.8%
SAU302882	PPU100404	45%	100%	97.8%
SAU302882	PPU112128	45%	100%	97.8%
SAU302882	PPU109060	45%	100%	97.8%
SAU302882	PPU107690	45%	100%	97.8%
SAU302882	PPU112220	45%	100%	97.8%
SAU302882	PPU106995	46%	100%	97.8%
SAU302882	SPA103851	50%	100%	97.8%
SAU302882	SAU302873	99%	100%	100%
SAU302882	SAU302882	100%	100%	100%
SAU302882	SAU302611	99%	100%	100%
SAU302882	SAU300286	99%	100%	100%
SAU302882	SAU302613	99%	100%	100%
SAU302882	SEP201307	98%	100%	100%
SAU302882	SEP201974	98%	100%	96.3%
SAU302882	SEP201810	98%	100%	100%
SAU302882	SEP201853	98%	100%	100%
SAU302882	SEP201858	98%	100%	100%
SAU302882	SEP200480	98%	100%	100%
SAU302882	SHA102654	97%	100%	96.3%
SAU302882	SMU101717	67%	100%	97.7%
SAU302882	SMU100578	67%	100%	97.7%
SAU302882	SMU101779	67%	100%	97.7%
SAU302882	SMU101966	67%	100%	97.7%
SAU302882	SMU102028	67%	100%	97.7%
SAU302882	SPY103747	68%	100%	97.7%
SAU302890	SAU302890	100%	100%	100%
SAU302892	ABA101252	27%	25.5%	27.6%
SAU302892	BCE100035	21%	50.7%	43.8%
SAU302892	BMA107767	23%	40.3%	20.1%
SAU302892	MPN100626	27%	17.8%	15.5%
SAU302892	SAU302892	100%	100%	100%
SAU302892	SEP200396	30%	46.4%	96.7%
SAU302892	SHA101424	23%	30.0%	1.6%
SAU302892	SHA101983	27%	46.4%	8.6%
SAU302892	SHA100633	30%	55.7%	99.1%
SAU302892	SPY100349	26%	37.7%	17.7%
SAU403191	SAU403191	100%	100%	100%
SAU501625	BFR11892	34%	42.9%	75.9%
SAU501625	BFR10375	24%	97.7%	97.7%
SAU501625	BCE102742	25%	53.9%	90.2%
SAU501625	BFU103170	28%	96.7%	98.8%
SAU501625	CJU101462	27%	98.3%	99.6%
SAU501625	CAC100937	22%	34.7%	35.4%
SAU501625	CBO103378	25%	68.1%	74.8%
SAU501625	CDF101426	21%	61.6%	49.7%
SAU501625	CDF103132	23%	46.5%	19.9%
SAU501625	CDP101424	28%	96.3%	94.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU501625	EBC104005	29%	62.5%	54.7%
SAU501625	EFA102283	49%	95.4%	94.5%
SAU501625	EFM201652	38%	20.5%	86.6%
SAU501625	EFM201984	49%	95.4%	94.5%
SAU501625	ECO104238	25%	89.4%	83.2%
SAU501625	HIN101255	31%	64.7%	78.6%
SAU501625	HPY100837	41%	97.1%	96.6%
SAU501625	KPN300684	25%	25.3%	51.6%
SAU501625	MCA101426	27%	96.7%	97.4%
SAU501625	MAV103592	24%	63.1%	68.5%
SAU501625	MBV103538	26%	95.2%	95.4%
SAU501625	MTU202719	26%	95.2%	93.0%
SAU501625	MPN100494	38%	96.7%	97.6%
SAU501625	NGO100938	40%	97.7%	99.0%
SAU501625	NME200960	40%	97.3%	98.6%
SAU501625	PMU101537	26%	98.3%	98.6%
SAU501625	PRT102780	36%	94.2%	56.9%
SAU501625	PAE202733	30%	53.9%	41.7%
SAU501625	PPU108596	26%	63.7%	69.3%
SAU501625	PSY104041	26%	96.7%	89.6%
SAU501625	SPA101737	25%	67.2%	95.1%
SAU501625	SAU801808	98%	100%	100%
SAU501625	SAU800431	98%	100%	100%
SAU501625	SEP200633	75%	100%	100%
SAU501625	SMU100858	43%	97.9%	98.7%
SAU501625	SPN400790	27%	66.6%	70.8%
SAU501625	SPY201469	48%	97.3%	96.6%
SAU501625	UUR100097	43%	64.3%	99.4%
SAU501625	VCH101740	29%	52.1%	39.3%
SAU502176	SAU502176	100%	100%	100%
SAU502208	SAU502208	100%	100%	100%
SAU502215	SAU502215	100%	100%	100%
SAU600582	BAN110758	80%	100%	100%
SAU600582	CTR100959	54%	61.4%	74.5%
SAU600582	CTR100991	54%	61.4%	74.5%
SAU600582	CDP100752	64%	100%	100%
SAU600582	CDP101757	64%	100%	100%
SAU600582	CDP101021	64%	100%	100%
SAU600582	CDP101514	64%	100%	100%
SAU600582	EBC103142	66%	100%	100%
SAU600582	EBC101895	66%	100%	100%
SAU600582	EFM101645	73%	52.6%	100%
SAU600582	KPN300934	68%	100%	67.9%
SAU600582	KPN300714	68%	100%	67.9%
SAU600582	KPN301086	68%	100%	67.9%
SAU600582	LPN102372	57%	70.2%	59.7%
SAU600582	LPN101257	57%	70.2%	59.7%
SAU600582	MBV100206	61%	100%	100%
SAU600582	MTU403382	61%	100%	100%
SAU600582	NGO101932	60%	96.5%	100%
SAU600582	NGO100498	60%	96.5%	100%
SAU600582	NGO100420	60%	96.5%	100%
SAU600582	NGO101761	60%	96.5%	100%
SAU600582	NME100672	60%	96.5%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU600582	PRT103309	67%	80.7%	100%
SAU600582	PRT101240	66%	100%	100%
SAU600582	PRT103323	66%	100%	100%
SAU600582	PRT105208	66%	100%	100%
SAU600582	SPA103850	68%	100%	67.9%
SAU600582	SPA100555	68%	100%	67.9%
SAU600582	SAU600582	100%	100%	100%
SAU600582	SEP201857	98%	100%	100%
SAU600582	SEP200482	98%	100%	100%
SAU600582	SEP201309	98%	100%	100%
SAU600582	SEP201976	98%	100%	100%
SAU600582	SEP201804	98%	100%	100%
SAU600582	SEP201852	98%	100%	100%
SAU600582	SHA101186	75%	100%	100%
SAU600582	SHA100138	97%	84.2%	100%
SAU600582	SHA101187	98%	100%	100%
SAU600582	SMU101951	73%	52.6%	100%
SAU600582	SMU101988	73%	52.6%	100%
SAU600582	SMU101640	73%	52.6%	100%
SAU600582	SMU101707	73%	52.6%	100%
SAU600582	SMU102015	73%	52.6%	100%
SAU600582	SPN103406	70%	52.6%	100%
SAU603460	BBU100679	23%	33.5%	30.5%
SAU603460	NGO101025	21%	24.5%	67.3%
SAU603460	PAE202974	21%	36.9%	22.8%
SAU603460	SAU603460	100%	100%	100%
SAU700396	CAC100049	33%	26.7%	17.6%
SAU700396	CDF103821	23%	53.1%	77.8%
SAU700396	SAU800433	40%	15.8%	7.0%
SAU700396	SAU800427	41%	26.4%	7.3%
SAU700396	SAU800428	41%	26.4%	7.3%
SAU700396	SAU800426	38%	25.7%	6.5%
SAU700396	SAU800429	33%	21.9%	0.9%
SAU700396	SAU801168	32%	38.4%	47.3%
SAU700396	SAU801167	24%	68.2%	80.1%
SAU700396	SAU801166	25%	67.1%	81.1%
SAU700396	SAU802011	34%	25.3%	32.5%
SAU700396	SAU800425	41%	25.7%	6.8%
SAU700396	SAU800422	36%	12.7%	10.6%
SAU700396	SAU800423	48%	73.6%	91.8%
SAU700396	SAU800424	55%	100%	100%
SAU700396	SPY103617	40%	25.7%	43.8%
SAU800001	ABA100983	41%	81.2%	79.3%
SAU800001	BAN112286	29%	21.0%	27.0%
SAU800001	BAN110545	59%	87.4%	90.8%
SAU800001	BAN102589	62%	97.6%	97.8%
SAU800001	BFR101484	31%	97.6%	95.6%
SAU800001	BPT100629	36%	98.9%	99.6%
SAU800001	BBU100436	34%	99.1%	98.1%
SAU800001	BCE108826	44%	79.9%	98.4%
SAU800001	BFU100017	45%	73.5%	96.8%
SAU800001	BMA102755	44%	81.7%	69.8%
SAU800001	CJU100001	35%	97.6%	97.7%
SAU800001	CPN200324	35%	99.1%	95.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800001	CTR200540	39%	77.9%	76.9%
SAU800001	CAC102789	57%	98.0%	97.5%
SAU800001	CBO101747	54%	98.5%	98.0%
SAU800001	CDF100209	62%	78.8%	98.9%
SAU800001	CDP100027	50%	74.2%	60.2%
SAU800001	EBC104357	44%	88.1%	93.7%
SAU800001	EFA200677	50%	98.0%	98.0%
SAU800001	EFM101245	52%	38.4%	100%
SAU800001	ECO103623	42%	97.4%	97.9%
SAU800001	HIN100974	38%	98.5%	98.7%
SAU800001	HPY101507	36%	73.3%	71.6%
SAU800001	KPN301146	41%	97.4%	98.1%
SAU800001	LPN101463	43%	87.9%	98.5%
SAU800001	LMO100513	60%	99.3%	98.2%
SAU800001	MCA100098	30%	99.3%	95.9%
SAU800001	MAV100561	49%	82.8%	76.0%
SAU800001	MBV103652	50%	81.9%	72.6%
SAU800001	MLP100001	52%	76.2%	66.0%
SAU800001	MTU200001	50%	81.9%	72.6%
SAU800001	MGE100479	29%	93.6%	94.7%
SAU800001	MPN100156	31%	72.0%	75.6%
SAU800001	NGO100049	44%	86.5%	81.7%
SAU800001	NME200512	47%	78.1%	68.7%
SAU800001	PMU101161	38%	97.4%	97.1%
SAU800001	PRT103054	37%	67.1%	98.2%
SAU800001	PAE200001	51%	72.0%	63.2%
SAU800001	PPU102202	51%	72.0%	64.2%
SAU800001	PSY103554	51%	72.0%	63.6%
SAU800001	SPA101587	51%	52.1%	97.5%
SAU800001	STY103948	42%	97.4%	97.9%
SAU800001	SAU800001	100%	100%	100%
SAU800001	SEP201279	84%	99.8%	99.8%
SAU800001	SHA102255	80%	99.8%	99.8%
SAU800001	SMU100027	43%	99.3%	99.3%
SAU800001	SPN400001	43%	99.6%	100%
SAU800001	SPY200001	41%	99.3%	99.3%
SAU800001	TPA100001	37%	98.5%	97.4%
SAU800001	UUR100001	25%	94.3%	94.1%
SAU800001	VCH100012	41%	97.4%	96.8%
SAU800001	YPS003458	42%	97.4%	97.8%
SAU800002	ABA100981	26%	99.2%	99.7%
SAU800002	BAN105678	38%	99.2%	100%
SAU800002	BAN102692	53%	99.7%	100%
SAU800002	BFR11213	21%	98.9%	98.9%
SAU800002	BPT100121	26%	90.2%	89.5%
SAU800002	BBU100437	22%	96.8%	97.9%
SAU800002	BCE108969	26%	97.9%	96.3%
SAU800002	BFU106132	28%	69.8%	69.0%
SAU800002	BMA103461	25%	97.9%	98.1%
SAU800002	CJU100002	19%	93.6%	93.8%
SAU800002	CPN200413	26%	99.7%	99.5%
SAU800002	CTR200341	26%	99.7%	99.5%
SAU800002	CAC102898	38%	99.2%	98.9%
SAU800002	CBO101151	36%	99.2%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800002	CDF102599	37%	59.9%	85.1%
SAU800002	CDP100028	23%	99.2%	95.6%
SAU800002	EBC104358	26%	99.2%	99.7%
SAU800002	EFA200676	43%	99.5%	99.7%
SAU800002	EFM202471	43%	99.5%	99.7%
SAU800002	ECO103622	26%	99.2%	99.7%
SAU800002	HIN100973	27%	99.2%	99.7%
SAU800002	HPY100495	23%	92.0%	90.6%
SAU800002	KPN301147	27%	99.2%	99.7%
SAU800002	LPN100144	23%	99.5%	99.7%
SAU800002	LMO100012	51%	99.7%	100%
SAU800002	MCA101382	28%	99.2%	99.7%
SAU800002	MAV100562	26%	96.6%	90.0%
SAU800002	MBV104783	27%	96.6%	89.6%
SAU800002	MLP100002	28%	97.1%	90.5%
SAU800002	MTU200002	27%	96.6%	89.6%
SAU800002	MGE100001	21%	90.2%	94.8%
SAU800002	MPN100153	23%	95.5%	97.4%
SAU800002	NGO100051	24%	99.5%	99.7%
SAU800002	NME200513	25%	99.5%	99.7%
SAU800002	PMU101160	26%	99.2%	99.7%
SAU800002	PRT102209	26%	99.2%	99.7%
SAU800002	PAE200002	25%	99.2%	99.7%
SAU800002	PPU109143	26%	99.2%	99.7%
SAU800002	PSY103553	24%	99.2%	99.7%
SAU800002	SPA101586	26%	98.9%	99.7%
SAU800002	STY103962	26%	99.2%	99.7%
SAU800002	SAU800002	100%	100%	100%
SAU800002	SEP201278	93%	100%	100%
SAU800002	SHA102256	94%	100%	100%
SAU800002	SMU100028	37%	99.7%	99.7%
SAU800002	SPN400002	40%	99.7%	99.7%
SAU800002	SPY200002	39%	99.7%	99.7%
SAU800002	TPA100002	26%	99.5%	99.7%
SAU800002	UUR100077	22%	88.1%	87.3%
SAU800002	VCH100013	28%	99.2%	99.7%
SAU800002	YPS003454	26%	99.2%	99.7%
SAU800005	ABA100992	53%	99.1%	98.7%
SAU800005	BAN111688	49%	95.5%	98.3%
SAU800005	BAN103655	70%	98.1%	97.8%
SAU800005	BFR10422	54%	98.4%	98.6%
SAU800005	BPT100120	49%	92.7%	100%
SAU800005	BBU100435	53%	98.0%	98.9%
SAU800005	BCE109504	52%	98.4%	97.7%
SAU800005	BFU102072	51%	99.2%	99.9%
SAU800005	BMA101322	51%	98.1%	98.7%
SAU800005	CJU100003	54%	97.2%	98.7%
SAU800005	CPN200477	56%	97.2%	98.1%
SAU800005	CTR200455	56%	97.8%	99.0%
SAU800005	CAC101093	62%	97.8%	98.7%
SAU800005	CBO101275	62%	98.4%	99.2%
SAU800005	CDF100210	61%	97.8%	99.2%
SAU800005	CDP100030	53%	96.9%	97.2%
SAU800005	EBC104360	55%	98.3%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800005	EFA200674	66%	97.8%	97.7%
SAU800005	EFM200514	66%	99.8%	99.8%
SAU800005	ECO103620	55%	98.3%	99.8%
SAU800005	HIN100546	56%	99.2%	99.9%
SAU800005	HPY100496	50%	97.0%	98.7%
SAU800005	KPN301149	54%	64.1%	98.3%
SAU800005	LPN102764	58%	17.9%	95.9%
SAU800005	LMO100884	67%	98.4%	98.1%
SAU800005	MCA101384	53%	97.8%	97.8%
SAU800005	MAV100554	54%	97.2%	97.5%
SAU800005	MBV104294	52%	97.2%	92.2%
SAU800005	MLP100005	53%	97.2%	97.6%
SAU800005	MTU200005	52%	97.2%	92.2%
SAU800005	MGE100003	51%	98.3%	98.8%
SAU800005	MPN100151	52%	98.3%	98.8%
SAU800005	NGO100713	51%	98.1%	90.6%
SAU800005	NME200053	51%	98.1%	99.1%
SAU800005	PMU101476	56%	98.6%	99.5%
SAU800005	PRT102211	55%	98.3%	99.8%
SAU800005	PAE200004	55%	98.6%	99.5%
SAU800005	PPU109146	53%	98.9%	100%
SAU800005	PSY100091	54%	98.9%	100%
SAU800005	SPA101583	53%	85.6%	90.9%
SAU800005	STY103968	55%	98.3%	99.8%
SAU800005	SAU800005	100%	100%	100%
SAU800005	SEP201276	93%	99.8%	100%
SAU800005	SHA102259	90%	100%	99.8%
SAU800005	SMU100247	64%	97.8%	97.7%
SAU800005	SPN400715	64%	98.0%	98.1%
SAU800005	SPY200532	63%	97.8%	97.7%
SAU800005	TPA100996	55%	97.8%	99.2%
SAU800005	UUR100079	53%	99.2%	99.8%
SAU800005	VCH100015	53%	98.3%	99.8%
SAU800005	YPS003447	55%	98.3%	99.8%
SAU800006	ABA104823	47%	94.3%	99.1%
SAU800006	BAN112277	40%	84.0%	91.3%
SAU800006	BAN106794	66%	92.1%	99.0%
SAU800006	BFR11289	53%	93.4%	98.8%
SAU800006	BPT100185	48%	92.6%	96.6%
SAU800006	BBU100434	41%	90.0%	85.9%
SAU800006	BCE113319	49%	92.5%	76.0%
SAU800006	BFU109335	50%	90.6%	90.0%
SAU800006	BMA106049	47%	90.4%	98.7%
SAU800006	CJU100955	46%	91.1%	97.6%
SAU800006	CPN200478	43%	92.0%	98.6%
SAU800006	CTR200454	45%	91.7%	97.7%
SAU800006	CAC100854	56%	93.9%	99.8%
SAU800006	CDF100211	55%	90.2%	98.6%
SAU800006	CDP100031	47%	93.3%	96.6%
SAU800006	EBC102445	49%	94.2%	98.5%
SAU800006	EFA200672	60%	93.9%	100%
SAU800006	EFM200325	60%	92.7%	99.8%
SAU800006	ECO102189	49%	93.6%	98.3%
SAU800006	HIN101236	46%	92.7%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800006	HPY100692	49%	91.2%	97.8%
SAU800006	KPN302349	50%	92.1%	96.8%
SAU800006	LPN103370	49%	92.6%	98.7%
SAU800006	LMO101367	61%	94.8%	99.6%
SAU800006	MCA100796	48%	91.0%	98.2%
SAU800006	MAV100556	47%	92.8%	98.3%
SAU800006	MBV103646	47%	91.6%	97.4%
SAU800006	MLP100006	44%	0.2%	33.8%
SAU800006	MTU200006	47%	91.6%	97.4%
SAU800006	MGE100004	50%	80.9%	97.6%
SAU800006	MPN100150	51%	93.7%	98.1%
SAU800006	NGO101035	45%	92.9%	97.8%
SAU800006	NME201458	45%	92.9%	97.8%
SAU800006	PMU100841	47%	92.2%	97.4%
SAU800006	PRT101670	49%	92.0%	97.0%
SAU800006	PAE203166	45%	93.6%	98.8%
SAU800006	PPU108315	45%	95.7%	71.8%
SAU800006	PSY103131	44%	94.0%	98.8%
SAU800006	SPA102834	37%	62.5%	97.2%
SAU800006	STY100510	49%	94.2%	98.5%
SAU800006	SAU800006	100%	100%	100%
SAU800006	SEP201275	87%	100%	99.7%
SAU800006	SHA102260	85%	100%	99.7%
SAU800006	SMU100894	60%	91.1%	98.9%
SAU800006	SPN401098	60%	91.1%	98.5%
SAU800006	SPY200879	58%	92.1%	98.8%
SAU800006	TPA100005	45%	77.8%	97.4%
SAU800006	UUR100080	52%	91.7%	96.5%
SAU800006	VCH101239	49%	91.3%	96.9%
SAU800006	YPS000268	48%	95.6%	98.1%
SAU800008	ABA106047	40%	96.5%	96.1%
SAU800008	BAN100051	56%	95.9%	100%
SAU800008	BAN108783	63%	95.9%	96.4%
SAU800008	BFR11721	41%	96.5%	98.2%
SAU800008	BCE114401	36%	90.4%	92.4%
SAU800008	BFU100706	39%	95.7%	95.3%
SAU800008	BFU111994	40%	94.9%	95.3%
SAU800008	BMA100711	40%	96.1%	96.4%
SAU800008	EBC100806	40%	89.2%	98.9%
SAU800008	KPN300516	36%	14.5%	79.6%
SAU800008	KPN301798	39%	93.5%	94.3%
SAU800008	LPN102112	41%	93.9%	94.5%
SAU800008	MCA101941	41%	95.9%	95.4%
SAU800008	PAE205093	41%	96.5%	96.7%
SAU800008	PPU109294	40%	96.1%	96.1%
SAU800008	PSY101312	41%	96.9%	95.9%
SAU800008	SPA101434	33%	97.5%	98.2%
SAU800008	STY102310	39%	97.5%	98.2%
SAU800008	STM102069	39%	97.5%	98.2%
SAU800008	SAU800008	100%	100%	100%
SAU800008	SPY201596	47%	93.2%	92.2%
SAU800008	VCH101183	39%	95.7%	95.5%
SAU800008	YPS002690	39%	96.7%	96.7%
SAU800014	BAN103775	42%	91.3%	92%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800014	BAN112649	47%	98.2%	98.2%
SAU800014	BBU100618	23%	48.1%	93.3%
SAU800014	CAC101737	33%	98.0%	98.2%
SAU800014	CBO101283	34%	97.7%	97.9%
SAU800014	CDF102080	35%	97.6%	97.3%
SAU800014	EFA200659	37%	97.3%	97.6%
SAU800014	EFM102383	32%	13.3%	82.1%
SAU800014	EFM100456	35%	45.3%	84.4%
SAU800014	ECO204605	32%	16.6%	18.9%
SAU800014	LMO101408	46%	97.6%	97.9%
SAU800014	NGO100730	31%	10.4%	25.4%
SAU800014	SAU800014	100%	100%	100%
SAU800014	SEP201250	86%	100%	100%
SAU800014	SHA102268	86%	100%	99.1%
SAU800014	SMU101354	32%	97.6%	98.5%
SAU800014	SPN402007	32%	98.6%	99.4%
SAU800014	SPY201669	31%	94.8%	95.4%
SAU800014	TPA100432	25%	51.6%	91.9%
SAU800015	ABA101589	32%	100%	100%
SAU800015	BAN106894	52%	90.5%	100%
SAU800015	BAN102021	57%	100%	100%
SAU800015	BFR100594	30%	100%	100%
SAU800015	BPT101383	32%	96.6%	95.4%
SAU800015	BBU100112	31%	96.6%	82.7%
SAU800015	BCE105322	27%	98.6%	97.3%
SAU800015	BFU105903	32%	98.0%	90%
SAU800015	BMA104683	29%	98.6%	97.3%
SAU800015	CJU100620	40%	97.3%	97.3%
SAU800015	CPN200889	27%	95.9%	84.0%
SAU800015	CTR200181	25%	95.9%	85.0%
SAU800015	CAC102107	40%	96.6%	96.6%
SAU800015	CBO101031	36%	100%	100%
SAU800015	CDF103514	47%	100%	99.3%
SAU800015	CDP100781	35%	98.6%	98.7%
SAU800015	EBC103609	32%	100%	100%
SAU800015	EFA200658	54%	100%	100%
SAU800015	EFM100758	57%	100%	100%
SAU800015	ECO104093	32%	100%	100%
SAU800015	HIN100523	31%	100%	100%
SAU800015	HPY100509	34%	100%	99.3%
SAU800015	KPN300648	32%	100%	100%
SAU800015	LPN100854	31%	98.6%	98.0%
SAU800015	LMO101215	58%	100%	100%
SAU800015	MCA101347	32%	96.6%	89.9%
SAU800015	MAV101550	34%	100%	99.3%
SAU800015	MBV104721	32%	100%	99.3%
SAU800015	MLP101582	32%	98.6%	98.0%
SAU800015	MTU200056	32%	100%	99.3%
SAU800015	MGE100095	28%	96.6%	93.3%
SAU800015	MPN100600	40%	66.2%	65.1%
SAU800015	NGO100185	33%	98.0%	90%
SAU800015	NME201393	32%	98.6%	97.3%
SAU800015	PMU101177	31%	100%	100%
SAU800015	PRT102059	32%	81.8%	81.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800015	PAE204927	33%	100%	100%
SAU800015	PPU106686	34%	98.6%	98.6%
SAU800015	PSY101034	37%	98.6%	98.6%
SAU800015	SPA102210	31%	100%	100%
SAU800015	STY103815	31%	100%	100%
SAU800015	STM103622	32%	100%	100%
SAU800015	SAU800015	100%	100%	100%
SAU800015	SEP201248	89%	100%	100%
SAU800015	SHA102269	87%	100%	100%
SAU800015	SMU101352	44%	99.3%	99.3%
SAU800015	SPN402006	45%	99.3%	99.3%
SAU800015	SPY201668	44%	99.3%	99.3%
SAU800015	TPA100059	29%	96.6%	91.7%
SAU800015	UUR100557	32%	98.6%	97.2%
SAU800015	VCH100364	32%	100%	100%
SAU800015	YPS002201	30%	100%	99.3%
SAU800016	ABA101586	37%	96.1%	91.1%
SAU800016	BAN111855	35%	85.4%	93.3%
SAU800016	BAN105948	38%	95.5%	98.6%
SAU800016	BAN101294	51%	97.4%	96.7%
SAU800016	BAN104072	58%	97.4%	96.5%
SAU800016	BFR11917	39%	96.4%	85.4%
SAU800016	BPT101379	43%	95.5%	94.7%
SAU800016	BBU100111	33%	98.3%	98.9%
SAU800016	BCE102809	44%	95.5%	94.1%
SAU800016	BFU105906	45%	95.5%	93.9%
SAU800016	BMA103068	44%	95.5%	94.1%
SAU800016	CJU100524	34%	95.1%	95.6%
SAU800016	CPN200129	38%	95.5%	95.3%
SAU800016	CTR200773	37%	95.7%	94.7%
SAU800016	CAC101778	47%	97.6%	98.4%
SAU800016	CBO103493	46%	97.6%	98.4%
SAU800016	CDF103355	47%	95.9%	96.4%
SAU800016	CDP100780	39%	97.9%	87.0%
SAU800016	EBC104210	45%	95.5%	92.1%
SAU800016	EFA200657	54%	98.3%	98.7%
SAU800016	EFM100759	55%	98.3%	97.2%
SAU800016	ECO103946	44%	95.5%	91.9%
SAU800016	HIN101542	42%	96.1%	86.9%
SAU800016	HPY101343	34%	98.3%	95.7%
SAU800016	KPN306469	45%	95.5%	91.9%
SAU800016	LPN101135	45%	96.6%	94.8%
SAU800016	LMO102241	59%	100%	99.8%
SAU800016	MCA100313	37%	96.6%	86.9%
SAU800016	MAV101552	43%	4.1%	38.6%
SAU800016	MBV106229	36%	96.6%	97.3%
SAU800016	MLP101581	44%	4.1%	21.0%
SAU800016	MTU200058	36%	96.6%	97.3%
SAU800016	MGE100096	30%	89.7%	93.3%
SAU800016	MPN100599	28%	95.5%	94.5%
SAU800016	NGO101104	42%	96.6%	93.8%
SAU800016	NME201018	42%	96.6%	93.8%
SAU800016	PMU100412	41%	96.1%	93.8%
SAU800016	PRT101881	44%	95.5%	96.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800016	PAE204926	44%	96.1%	93.5%
SAU800016	PPU106689	44%	96.1%	92.9%
SAU800016	PSY101032	43%	96.1%	93.5%
SAU800016	SPA102883	45%	95.5%	91.9%
SAU800016	STY102408	37%	97.9%	97.1%
SAU800016	STY101949	45%	95.5%	91.9%
SAU800016	STM102807	45%	95.5%	91.9%
SAU800016	SAU800016	100%	100%	100%
SAU800016	SEP201246	96%	99.8%	99.8%
SAU800016	SHA102270	93%	99.8%	99.8%
SAU800016	SMU101349	51%	98.3%	98.7%
SAU800016	SPN402005	51%	99.4%	100%
SAU800016	SPY201667	50%	97.2%	97.1%
SAU800016	TPA100057	36%	95.5%	95.2%
SAU800016	UUR100556	29%	89.1%	91.6%
SAU800016	VCH100366	42%	95.5%	92.5%
SAU800016	YPS002809	44%	97.4%	94.7%
SAU800017	ABA106107	44%	98.8%	98.2%
SAU800017	BAN104023	62%	98.8%	98.6%
SAU800017	BAN101360	70%	100%	99.5%
SAU800017	BFR102108	44%	97.4%	97.4%
SAU800017	BPT103146	44%	98.8%	98.1%
SAU800017	BCE101676	45%	98.8%	96.2%
SAU800017	BFU102358	46%	98.8%	96.2%
SAU800017	BMA104986	45%	98.8%	96.2%
SAU800017	CJU101414	44%	98.1%	98.8%
SAU800017	CAC103277	54%	98.4%	98.6%
SAU800017	CBO102268	52%	99.8%	100%
SAU800017	CDF102916	50%	100%	99.1%
SAU800017	CDP101311	45%	98.4%	97.9%
SAU800017	EBC103623	46%	99.3%	95.5%
SAU800017	EFA200656	69%	100%	99.3%
SAU800017	EFM100567	71%	100%	97.7%
SAU800017	ECO104067	46%	99.3%	98.6%
SAU800017	HIN101599	46%	99.1%	98.4%
SAU800017	HPY100251	43%	98.1%	99.3%
SAU800017	KPN300264	53%	33.7%	83.8%
SAU800017	KPN302196	46%	99.3%	98.6%
SAU800017	LPN102500	44%	98.8%	98.4%
SAU800017	LMO101711	66%	100%	99.3%
SAU800017	MCA101104	47%	99.1%	98.4%
SAU800017	MAV103737	48%	99.8%	98.8%
SAU800017	MBV102172	47%	99.8%	98.8%
SAU800017	MLP100193	48%	98.4%	97.5%
SAU800017	MTU200356	47%	99.8%	98.8%
SAU800017	NGO100907	47%	98.6%	98.1%
SAU800017	NME200946	47%	98.6%	98.1%
SAU800017	PMU100938	45%	99.1%	98.4%
SAU800017	PRT105923	46%	99.1%	97.5%
SAU800017	PAE204933	46%	98.8%	98.4%
SAU800017	PPU112346	47%	98.8%	98.4%
SAU800017	PSY101050	46%	98.8%	98.4%
SAU800017	SPA101108	46%	84.3%	98.4%
SAU800017	STY103762	47%	99.3%	98.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800017	STM103540	47%	99.3%	98.6%
SAU800017	SAU800017	100%	100%	100%
SAU800017	SEP201244	92%	100%	100%
SAU800017	SHA102271	94%	92.5%	100%
SAU800017	SMU101546	67%	100%	96.8%
SAU800017	SPN400021	68%	100%	99.8%
SAU800017	SPY200117	69%	100%	99.3%
SAU800017	VCH102565	46%	98.1%	97.5%
SAU800017	YPS003531	46%	99.1%	98.4%
SAU800018	ABA101702	42%	95.3%	92.9%
SAU800018	BAN102017	66%	99.1%	99.1%
SAU800018	BAN108755	74%	99.1%	98.7%
SAU800018	BCE115095	42%	98.3%	84.9%
SAU800018	BFU109627	43%	98.3%	93.1%
SAU800018	BMA108791	38%	95.3%	92.6%
SAU800018	CJU101186	32%	95.7%	97.8%
SAU800018	CJU101152	37%	96.6%	98.7%
SAU800018	CBO101454	53%	95.3%	95.7%
SAU800018	CDF101977	43%	98.3%	100%
SAU800018	CDP100744	47%	94.9%	96.9%
SAU800018	EFA200733	70%	98.3%	98.7%
SAU800018	EFM200129	72%	98.3%	88.5%
SAU800018	HIN100864	37%	95.3%	95.3%
SAU800018	KPN302148	43%	96.6%	95.4%
SAU800018	LMO101754	75%	98.3%	97.9%
SAU800018	MAV103024	46%	96.2%	98.2%
SAU800018	MBV102356	46%	98.7%	99.6%
SAU800018	MLP100469	45%	96.6%	96.5%
SAU800018	MTU200489	46%	96.2%	98.2%
SAU800018	SAU800018	100%	100%	100%
SAU800018	SEP201243	97%	99.1%	97.5%
SAU800018	SHA101255	96%	100%	98.7%
SAU800018	SMU100506	64%	98.3%	99.6%
SAU800018	SPN401106	62%	97.9%	92.4%
SAU800018	SPY200378	63%	98.3%	99.6%
SAU800019	BAN110824	36%	99.8%	100%
SAU800019	BAN102960	47%	99.8%	100%
SAU800019	CPN200162	23%	56.7%	89.3%
SAU800019	CTR200741	22%	57.7%	95.2%
SAU800019	CAC103503	29%	96.2%	99.1%
SAU800019	EFA200731	42%	98.8%	98.5%
SAU800019	EFM202051	41%	98.7%	98.7%
SAU800019	ECO102177	22%	98.2%	98.0%
SAU800019	LPN101514	23%	59.0%	87.8%
SAU800019	LPN102152	34%	38.7%	76.6%
SAU800019	LMO102502	47%	99.8%	100%
SAU800019	MAV106497	35%	38.2%	45.8%
SAU800019	NGO101717	22%	67.9%	59.9%
SAU800019	NME200153	22%	67.9%	59.9%
SAU800019	PAE205479	29%	67.9%	70.3%
SAU800019	PPU102000	28%	66.6%	70.0%
SAU800019	PSY103050	28%	72.9%	75.6%
SAU800019	SAU800019	100%	100%	100%
SAU800019	SEP201242	91%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800019	SHA101256	87%	100%	99.8%
SAU800019	SMU100503	43%	64.0%	98.8%
SAU800019	SPN401105	41%	68.6%	96.0%
SAU800019	SPY200379	40%	67.6%	93.8%
SAU800019	VCH101329	29%	52.0%	25.6%
SAU800020	BAN113545	23%	94.3%	93.8%
SAU800020	EFA200729	21%	55.6%	82.9%
SAU800020	EFM201123	22%	97.1%	97.5%
SAU800020	LMO101615	23%	96.7%	98.0%
SAU800020	SAU800020	100%	100%	100%
SAU800020	SEP202519	70%	98.0%	100%
SAU800020	SHA102220	60%	100%	97.4%
SAU800023	ABA101054	25%	61.5%	86.7%
SAU800023	BAN104503	24%	63.9%	90.8%
SAU800023	BAN109818	24%	65.5%	95.0%
SAU800023	BAN100600	25%	63.9%	89.4%
SAU800023	BAN112588	26%	68.1%	95.5%
SAU800023	BFR104387	26%	62.1%	83.7%
SAU800023	CDF103778	31%	61.2%	71.5%
SAU800023	CDP100957	36%	6.3%	16.4%
SAU800023	EBC101030	26%	60.8%	90.8%
SAU800023	EFA200169	44%	67.9%	5.6%
SAU800023	ECO100471	27%	66.3%	94%
SAU800023	HIN100196	34%	17.1%	28.2%
SAU800023	KPN305776	28%	61.2%	87.9%
SAU800023	LPN103544	23%	61.7%	87.3%
SAU800023	LMO100759	22%	78.3%	77.2%
SAU800023	PMU101193	25%	63.7%	90.2%
SAU800023	PRT104827	28%	40.9%	85.5%
SAU800023	PPU103357	22%	64.5%	96.0%
SAU800023	SPA103024	27%	64.1%	99.2%
SAU800023	STY103100	27%	64.1%	92.1%
SAU800023	STM101988	27%	64.1%	92.1%
SAU800023	SAU800023	100%	100%	100%
SAU800023	SHA101061	51%	56.8%	76.8%
SAU800023	SMU101041	38%	83.3%	90.2%
SAU800023	SPY200647	23%	57.3%	66.9%
SAU800023	TPA100103	31%	61.3%	87.0%
SAU800023	VCH102141	29%	66.1%	91.9%
SAU800024	ABA104180	37%	100%	99.4%
SAU800024	BAN106733	64%	23.3%	92.5%
SAU800024	BAN110141	61%	100%	100%
SAU800024	BFR102319	34%	99.4%	98.7%
SAU800024	BPT100829	32%	100%	99.4%
SAU800024	BCE104653	34%	100%	99.4%
SAU800024	BFU107810	34%	100%	99.4%
SAU800024	BMA107260	34%	100%	99.4%
SAU800024	CJU100115	30%	100%	97.4%
SAU800024	CAC100551	56%	100%	100%
SAU800024	CBO102082	55%	100%	100%
SAU800024	CDF103247	57%	100%	100%
SAU800024	EBC100948	30%	100%	99.4%
SAU800024	EFA202056	60%	100%	100%
SAU800024	EFM201982	59%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800024	ECO100626	30%	100%	99.4%
SAU800024	HIN100032	32%	100%	99.4%
SAU800024	HPY100933	36%	40.9%	42.7%
SAU800024	KPN302693	30%	100%	99.4%
SAU800024	LPN100591	32%	100%	99.4%
SAU800024	LMO102329	61%	100%	100%
SAU800024	MCA103094	35%	100%	98.8%
SAU800024	NGO100062	33%	100%	99.4%
SAU800024	NME200389	33%	100%	99.4%
SAU800024	PMU101923	32%	100%	99.4%
SAU800024	PRT102879	29%	100%	99.4%
SAU800024	PAE204001	31%	100%	100%
SAU800024	PPU107574	31%	100%	100%
SAU800024	PSY105093	32%	100%	100%
SAU800024	SPA102528	27%	100%	99.4%
SAU800024	STY101458	31%	100%	99.4%
SAU800024	SAU800024	100%	100%	100%
SAU800024	SEP201224	91%	100%	100%
SAU800024	SHA100443	91%	58.5%	100%
SAU800024	SMU101420	52%	100%	100%
SAU800024	SPN402041	49%	100%	100%
SAU800024	SPY201694	43%	100%	100%
SAU800024	UUR100180	44%	100%	100%
SAU800024	VCH100935	31%	100%	99.4%
SAU800024	YPS001189	30%	100%	99.4%
SAU800089	ABA106085	29%	95.4%	94.1%
SAU800089	BAN101318	73%	96.6%	99.4%
SAU800089	BAN112435	76%	97.9%	97.6%
SAU800089	BFR104875	32%	39.3%	63.7%
SAU800089	BFR10738	32%	92.7%	95.4%
SAU800089	BPT102519	26%	93.9%	91.5%
SAU800089	BBU100736	36%	92.7%	93.4%
SAU800089	BCE104972	26%	66.5%	93.1%
SAU800089	BFU100162	25%	91.2%	90.3%
SAU800089	BMA104738	24%	94.5%	89.5%
SAU800089	CJU100112	27%	93.3%	96.8%
SAU800089	CPN201085	25%	96.6%	95.5%
SAU800089	CTR200013	25%	95.4%	95.2%
SAU800089	CAC100186	27%	91.8%	94.4%
SAU800089	CBO101987	27%	86.9%	88.9%
SAU800089	CDF101018	28%	91.8%	94.1%
SAU800089	CDP100474	27%	91.8%	82.8%
SAU800089	EBC104218	27%	75.6%	75.5%
SAU800089	EFA201439	69%	97.3%	98.5%
SAU800089	EFM201490	70%	97.3%	97.6%
SAU800089	ECO102099	27%	68.6%	72.4%
SAU800089	HIN100960	26%	92.1%	92.1%
SAU800089	HPY100715	26%	93.3%	92.1%
SAU800089	KPN309050	29%	75%	74.8%
SAU800089	LPN103541	29%	69.2%	81.7%
SAU800089	LMO100193	27%	93.9%	94.0%
SAU800089	MCA101168	26%	86.9%	90.1%
SAU800089	MCA101483	26%	91.8%	88.9%
SAU800089	MAV105445	28%	95.4%	86.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800089	MBV101887	27%	94.5%	85.7%
SAU800089	MLP101304	26%	77.4%	68.8%
SAU800089	MTU200817	27%	94.5%	83.0%
SAU800089	NGO101916	30%	71.3%	68.9%
SAU800089	NME201493	31%	71.3%	68.5%
SAU800089	PMU101087	28%	69.2%	66.2%
SAU800089	PRT101632	28%	65.9%	73%
SAU800089	PAE204847	28%	93.0%	92.5%
SAU800089	PPU103018	26%	94.2%	93.5%
SAU800089	PSY101826	27%	93.0%	91.1%
SAU800089	SPA103518	28%	73.8%	73.5%
SAU800089	STY104235	28%	68.6%	73.1%
SAU800089	STM102801	28%	73.8%	73.5%
SAU800089	SAU800089	100%	100%	100%
SAU800089	SEP200539	92%	97.9%	98.5%
SAU800089	SHA100223	87%	98.5%	100%
SAU800089	SMU101401	25%	89.6%	91.4%
SAU800089	SPN401991	26%	95.1%	96.7%
SAU800089	SPY200089	26%	91.5%	93.2%
SAU800089	TPA100970	23%	90.5%	90.6%
SAU800089	VCH101086	23%	93.9%	96.0%
SAU800089	YPS002805	28%	89.3%	86.7%
SAU800101	ABA100607	37%	13.8%	36.4%
SAU800101	BAN105723	37%	13.6%	35.9%
SAU800101	BAN106551	38%	13.6%	34.5%
SAU800101	BFR105453	33%	14.5%	37.5%
SAU800101	BPT102213	35%	12.5%	31.6%
SAU800101	BCE107905	34%	13.8%	43.5%
SAU800101	BFU110451	34%	13.3%	31.9%
SAU800101	BMA104183	30%	13.4%	34.0%
SAU800101	CJU100970	35%	11.4%	28.7%
SAU800101	CAC103561	25%	31.1%	82.7%
SAU800101	CBO103752	19%	93.2%	91.7%
SAU800101	CDF104394	31%	12.9%	33.6%
SAU800101	CDF104017	24%	21.7%	52.2%
SAU800101	CDF101185	24%	21.7%	90.6%
SAU800101	EBC107735	26%	30.3%	33.1%
SAU800101	EFA201221	24%	31.5%	81.0%
SAU800101	EFM201424	26%	31.4%	77.1%
SAU800101	ECO100064	21%	31.5%	80.8%
SAU800101	HIN101030	25%	16.4%	41.9%
SAU800101	HPY101335	20%	20.1%	20.5%
SAU800101	KPN302720	23%	75.0%	74.3%
SAU800101	LPN102930	34%	12.5%	34.6%
SAU800101	LMO102225	24%	99.1%	99.1%
SAU800101	MBV102878	26%	13.3%	37.3%
SAU800101	MTU203778	26%	13.3%	37.3%
SAU800101	NGO101394	27%	11.4%	28.6%
SAU800101	NME201642	25%	11.4%	28.2%
SAU800101	PMU101524	25%	20.5%	46.1%
SAU800101	PAE202335	29%	13.7%	33.9%
SAU800101	PPU101069	32%	12.8%	36.2%
SAU800101	PSY102550	34%	13.4%	33.2%
SAU800101	SPA101204	22%	31.5%	84.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800101	STY103330	29%	20.7%	52.3%
SAU800101	STM100965	22%	31.5%	84.0%
SAU800101	SAU800101	100%	100%	100%
SAU800101	SHA102705	31%	96.6%	97.2%
SAU800101	SPN401712	23%	31.0%	81.8%
SAU800101	VCH102965	23%	19.2%	40.8%
SAU800101	YPS000030	25%	18.3%	47.8%
SAU800106	BFU104263	42%	7.6%	64.3%
SAU800106	BFU101460	35%	21.3%	76.6%
SAU800106	BFU103016	39%	92.4%	91.3%
SAU800106	CBO100573	51%	99.2%	95.3%
SAU800106	EFA200735	61%	100%	100%
SAU800106	EFM200200	30%	85.6%	95.2%
SAU800106	HPY101230	32%	12.5%	20.9%
SAU800106	LMO101052	39%	88.7%	90.6%
SAU800106	SAU800106	100%	100%	100%
SAU800106	SEP202417	76%	100%	100%
SAU800106	SHA102491	81%	100%	100%
SAU800106	SMU101074	59%	100%	100%
SAU800106	SPY200337	60%	100%	100%
SAU800111	ABA103926	42%	13.6%	32.3%
SAU800111	BCE111873	27%	14.9%	56.0%
SAU800111	BCE105553	26%	28.7%	81.3%
SAU800111	BCE108028	33%	17.8%	50.9%
SAU800111	BCE103665	28%	20.4%	80.7%
SAU800111	BFU112738	32%	19.3%	17%
SAU800111	PPU108082	34%	12.2%	38.8%
SAU800111	SAU800111	100%	100%	100%
SAU800111	SAU802418	28%	49.8%	37.9%
SAU800111	YPS003752	27%	13.8%	40.1%
SAU800116	MTU200839	33%	91.4%	80.4%
SAU800116	PSY105386	38%	96.0%	43.7%
SAU800116	SAU800116	100%	100%	100%
SAU800117	BAN104255	28%	81.0%	83.4%
SAU800117	BAN112876	29%	81.0%	83.7%
SAU800117	BPT101971	22%	89.6%	92.4%
SAU800117	BCE105508	25%	72.9%	67.6%
SAU800117	BFU115722	25%	91.4%	91.0%
SAU800117	BMA100060	21%	36.6%	37.1%
SAU800117	CBO100830	24%	98.5%	100%
SAU800117	CDF100177	28%	97.0%	98.5%
SAU800117	EFA202411	30%	78.9%	82.9%
SAU800117	EFM200390	25%	83.6%	85.7%
SAU800117	LPN102879	25%	97.6%	98.1%
SAU800117	PAE204903	25%	69.9%	75.8%
SAU800117	PPU110483	25%	69.6%	74.3%
SAU800117	SAU800117	100%	100%	100%
SAU800117	SEP200076	27%	88.4%	92.4%
SAU800117	SHA101395	28%	95.5%	96.9%
SAU800117	YPS003420	24%	70.8%	75.1%
SAU800118	ABA105815	33%	76.9%	73.0%
SAU800118	SAU800118	100%	100%	100%
SAU800120	ABA104196	25%	85.3%	82.2%
SAU800120	BAN102511	23%	74.2%	74.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800120	BAN103093	26%	69.0%	96.5%
SAU800120	EBC100509	25%	44.1%	87.8%
SAU800120	KPN104635	24%	95.3%	97.0%
SAU800120	SAU800120	100%	100%	100%
SAU800122	BPT100949	33%	68.7%	100%
SAU800122	BCE103649	32%	68.0%	87.6%
SAU800122	BFU103146	30%	97.7%	94.8%
SAU800122	BMA104232	34%	75.3%	77.0%
SAU800122	EBC104066	28%	91.5%	91.8%
SAU800122	ECO103058	29%	91.5%	91.8%
SAU800122	KPN301969	28%	91.5%	91.8%
SAU800122	MAV103471	26%	79.9%	87.0%
SAU800122	MAV105384	28%	88.0%	90.2%
SAU800122	PMU101535	27%	92.3%	89.8%
SAU800122	PAE204125	26%	91.9%	88.8%
SAU800122	SPA103576	31%	88.8%	86.1%
SAU800122	STY100924	30%	91.5%	91.8%
SAU800122	STM102234	26%	78.8%	77.6%
SAU800122	SAU800122	100%	100%	100%
SAU800122	YPS001253	29%	59.1%	57.1%
SAU800123	BCE100467	34%	36.5%	64.0%
SAU800123	BFU107173	28%	95.2%	94.3%
SAU800123	SAU800123	100%	100%	100%
SAU800138	BAN109977	62%	91.8%	100%
SAU800138	BAN102250	64%	95.9%	95.1%
SAU800138	BFR12234	34%	72.3%	56.4%
SAU800138	BCE105592	55%	56.4%	96.1%
SAU800138	BFU103022	31%	68.6%	47.6%
SAU800138	BFU108762	30%	72.3%	50%
SAU800138	BMA104956	36%	89.5%	78.8%
SAU800138	CAC100384	63%	95.9%	98.6%
SAU800138	CBO100256	58%	96.4%	100%
SAU800138	CDF100310	48%	98.2%	97.7%
SAU800138	CDP101627	45%	94.5%	94.5%
SAU800138	EBC103572	33%	90.9%	82.6%
SAU800138	EFA202355	63%	96.8%	97.3%
SAU800138	EFM201549	62%	96.8%	97.3%
SAU800138	ECO104267	34%	90.9%	82.2%
SAU800138	HIN101089	55%	95.9%	94.2%
SAU800138	KPN308783	34%	93.6%	83.9%
SAU800138	LPN101764	31%	81.8%	72.8%
SAU800138	LMO101987	64%	96.8%	96.0%
SAU800138	MAV103921	45%	48.6%	96.6%
SAU800138	MBV102346	45%	94.5%	93.8%
SAU800138	MLP101461	42%	94.5%	93.8%
SAU800138	MTU200476	45%	94.5%	93.8%
SAU800138	MGE100050	44%	97.7%	96.0%
SAU800138	MPN100091	45%	97.3%	95.1%
SAU800138	PMU101343	54%	95.9%	94.2%
SAU800138	PRT101388	53%	97.7%	97.3%
SAU800138	PAE201382	28%	51.4%	20.5%
SAU800138	PSY100190	32%	76.8%	68.3%
SAU800138	SPA100057	35%	68.6%	81.4%
SAU800138	STY104584	33%	91.4%	80.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800138	STM100357	33%	90.9%	80.4%
SAU800138	SAU802137	97%	100%	100%
SAU800138	SAU800138	100%	100%	100%
SAU800138	SEP201938	77%	100%	100%
SAU800138	SHA101905	84%	100%	100%
SAU800138	SMU100919	62%	100%	100%
SAU800138	SPN400745	60%	100%	100%
SAU800138	SPY201436	45%	97.7%	96.0%
SAU800138	TPA100261	42%	96.4%	98.2%
SAU800138	UUR100592	46%	95.5%	97.7%
SAU800138	VCH102315	35%	84.5%	76.4%
SAU800138	YPS001140	52%	97.3%	96.0%
SAU800148	ABA100616	33%	47.5%	94.4%
SAU800148	BAN107893	46%	96.8%	98.6%
SAU800148	BAN104995	65%	98.8%	99.3%
SAU800148	BFR12137	34%	43.2%	91.4%
SAU800148	BPT102040	27%	43.5%	91.9%
SAU800148	BCE107083	28%	40.0%	83.9%
SAU800148	BFU103121	32%	50.9%	92.1%
SAU800148	BMA103231	35%	42.7%	90.8%
SAU800148	CAC102804	28%	33.3%	71.2%
SAU800148	CBO103735	49%	97.1%	97.0%
SAU800148	CDF100120	36%	16.9%	79.0%
SAU800148	CDF104127	39%	50.1%	93.3%
SAU800148	CDF102156	47%	99.2%	97.9%
SAU800148	CDF102241	50%	96.5%	95.6%
SAU800148	EBC104737	45%	53.6%	94.0%
SAU800148	EFA200386	73%	97.8%	98.0%
SAU800148	EFM202215	34%	43.5%	91.9%
SAU800148	ECO101212	48%	97.2%	95.8%
SAU800148	HIN101211	28%	21.7%	46.3%
SAU800148	KPN303514	44%	51.1%	93.6%
SAU800148	LPN100161	30%	42.8%	88.6%
SAU800148	LMO102418	64%	98.8%	99.3%
SAU800148	PMU101453	55%	97.2%	97.3%
SAU800148	PRT103270	50%	97.2%	96.3%
SAU800148	PAE201989	28%	42.0%	87.3%
SAU800148	PPU105663	31%	44.0%	94.9%
SAU800148	PSY103954	34%	43.2%	96.4%
SAU800148	SPA100551	47%	87.2%	100%
SAU800148	STY102995	48%	97.2%	95.7%
SAU800148	STM101429	48%	97.2%	95.7%
SAU800148	SAU800148	100%	100%	100%
SAU800148	SEP200785	83%	100%	100%
SAU800148	SMU101295	46%	96.7%	97.3%
SAU800148	SPN401835	56%	97.7%	96.4%
SAU800148	SPY201284	26%	17.4%	36.3%
SAU800148	VCH102003	47%	97.2%	95.4%
SAU800148	YPS000792	48%	97.2%	95.8%
SAU800151	SAU800151	100%	100%	100%
SAU800151	SHA101869	60%	100%	99.6%
SAU800151	SPN300327	34%	93.3%	100%
SAU800152	BFR100028	44%	66.2%	66.8%
SAU800152	BFR11769	35%	96.2%	93.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800152	BPT101368	38%	90.1%	88.6%
SAU800152	BCE111630	44%	85.7%	82.9%
SAU800152	BFU101094	49%	62.1%	88.7%
SAU800152	BMA106224	44%	84.3%	80.4%
SAU800152	CJU101046	36%	95.7%	96.8%
SAU800152	CBO103725	41%	98.5%	97.6%
SAU800152	CDF100763	43%	96.7%	91.2%
SAU800152	EBC101361	39%	95.7%	89.5%
SAU800152	LPN103004	45%	72.0%	91.4%
SAU800152	NGO101878	41%	85.0%	80.7%
SAU800152	NME200591	40%	87.5%	84.7%
SAU800152	PMU101015	37%	95.2%	90.3%
SAU800152	PAE203139	37%	96.9%	90.4%
SAU800152	PPU108312	39%	91.8%	85.8%
SAU800152	PSY103120	43%	84.0%	85.3%
SAU800152	SAU800152	100%	100%	100%
SAU800152	SHA101870	72%	98.8%	99.8%
SAU800152	SPN400092	43%	98.0%	96.6%
SAU800152	TPA100076	41%	71.0%	81.6%
SAU800152	VCH100257	43%	78.9%	77.0%
SAU800153	ABA100169	69%	96.8%	96.8%
SAU800153	BFR11249	63%	97.7%	98.2%
SAU800153	CJU101217	40%	93.3%	96.4%
SAU800153	CAC103175	39%	94.4%	97.4%
SAU800153	CBO100761	38%	94.7%	93.0%
SAU800153	EFM201314	40%	93.3%	96.1%
SAU800153	HPY100827	40%	91.5%	94.6%
SAU800153	MBV101380	28%	42.1%	42.6%
SAU800153	MTU203421	28%	42.1%	41.8%
SAU800153	PMU101007	66%	96.8%	96.5%
SAU800153	SAU800153	100%	100%	100%
SAU800153	SPN300338	61%	98.8%	98.0%
SAU800155	ABA100167	54%	100%	99.7%
SAU800155	BFR11005	57%	99.5%	95.7%
SAU800155	BPT101413	30%	96.0%	99.2%
SAU800155	CBO103104	33%	86.9%	91.5%
SAU800155	NME102042	19%	28.1%	19.0%
SAU800155	PMU101009	54%	100%	99.7%
SAU800155	PAE203146	32%	89.8%	94.9%
SAU800155	SAU800155	100%	100%	100%
SAU800155	SPN300340	58%	99.5%	95.7%
SAU800156	ABA105471	48%	42.3%	41.4%
SAU800156	BAN107240	37%	57.2%	61.4%
SAU800156	BAN109955	32%	89.9%	82.4%
SAU800156	BFU114872	38%	66.3%	72.9%
SAU800156	CAC103125	40%	61.5%	75.8%
SAU800156	CAC101863	35%	71.6%	80%
SAU800156	CDF100556	45%	58.2%	58.6%
SAU800156	LPN100956	38%	55.3%	49.1%
SAU800156	PMU101197	35%	70.7%	78.7%
SAU800156	PAE203850	39%	72.1%	63.3%
SAU800156	PSY107373	35%	66.8%	65.2%
SAU800156	SAU800156	100%	100%	100%
SAU800156	VCH103030	41%	64.4%	64.1%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800160	ABA100166	22%	99.5%	99.0%
SAU800160	BAN107168	22%	64.6%	66.1%
SAU800160	BAN104614	22%	94.3%	90.6%
SAU800160	BFR11006	24%	86.3%	87.8%
SAU800160	BPT101412	20%	68.8%	67.3%
SAU800160	BFU112629	20%	59.9%	52.4%
SAU800160	BFU111140	21%	89.0%	82.9%
SAU800160	CJU100805	30%	13.0%	24.4%
SAU800160	CBO100970	23%	98.8%	98.3%
SAU800160	EBC102688	23%	85.3%	86.2%
SAU800160	ECO102009	25%	49.1%	48.4%
SAU800160	PMU101010	25%	99.0%	97.8%
SAU800160	PRT102124	22%	60.8%	58.7%
SAU800160	SPA101487	24%	50.4%	49.4%
SAU800160	STY103551	25%	50.4%	49.4%
SAU800160	SAU800160	100%	100%	100%
SAU800160	SPN300331	23%	96.3%	95.6%
SAU800161	ABA100163	40%	99.5%	88.3%
SAU800161	BFR11403	41%	98.9%	90.1%
SAU800161	BFR11007	41%	98.9%	90.1%
SAU800161	BCE108815	39%	93.5%	39.8%
SAU800161	BFU102860	36%	93.5%	39.5%
SAU800161	BFU110433	39%	93.5%	38.6%
SAU800161	BFU100400	40%	89.2%	37.3%
SAU800161	BFU111110	39%	98.9%	41.8%
SAU800161	BFU101647	40%	96.8%	41.2%
SAU800161	BFU100180	40%	93.5%	38.3%
SAU800161	BFU113440	40%	93.5%	39.5%
SAU800161	BMA104513	38%	93.5%	39.6%
SAU800161	CJU101050	42%	98.4%	89.5%
SAU800161	HIN100853	36%	99.5%	42.0%
SAU800161	KPN206317	38%	99.5%	41.7%
SAU800161	NGO101595	42%	98.9%	43.8%
SAU800161	NME200593	41%	98.4%	43.6%
SAU800161	PMU101011	41%	99.5%	91%
SAU800161	SPA105037	36%	99.5%	41.6%
SAU800161	SAU800161	100%	100%	100%
SAU800161	SHA101990	45%	98.9%	45.4%
SAU800161	SPN300330	49%	98.9%	87.7%
SAU800161	SPY101929	42%	61.1%	91.1%
SAU800161	VCH100260	43%	91.4%	89.7%
SAU800170	SAU800170	100%	100%	100%
SAU800173	ABA100118	26%	38.7%	49.8%
SAU800173	BCE106163	21%	50.5%	84.4%
SAU800173	BCE114441	24%	76.2%	65.2%
SAU800173	BFU111162	25%	65.0%	55.3%
SAU800173	BFU116306	24%	76.2%	63.7%
SAU800173	BMA108816	22%	69.3%	68.2%
SAU800173	CAC102862	22%	77.1%	67.7%
SAU800173	CBO101671	20%	98.1%	88.0%
SAU800173	CDF102271	20%	97.5%	89.3%
SAU800173	EBC102281	23%	53.9%	54.4%
SAU800173	ECO100911	23%	55.4%	53.8%
SAU800173	HIN100383	25%	22.6%	33.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800173	KPN307346	25%	58.2%	54.5%
SAU800173	MAV100094	21%	61.0%	59.5%
SAU800173	PAE202326	23%	75.5%	63.7%
SAU800173	PPU112476	26%	66.9%	60.8%
SAU800173	PSY105587	23%	68.7%	57.8%
SAU800173	SAU800173	100%	100%	100%
SAU800173	SMU102515	20%	88.2%	84.5%
SAU800173	YPS005574	20%	89.2%	86.0%
SAU800176	BAN107751	40%	94.8%	94.8%
SAU800176	BAN110534	40%	94.8%	96.5%
SAU800176	SAU800176	100%	100%	100%
SAU800177	BPT101987	47%	82.9%	79.5%
SAU800177	LPN101961	44%	89.0%	85.6%
SAU800177	MAV102109	41%	88.5%	88.2%
SAU800177	SAU800177	100%	100%	100%
SAU800179	ABA102315	26%	2.6%	81.2%
SAU800179	BAN113579	35%	7.1%	88.4%
SAU800179	BAN101449	30%	66.1%	66.7%
SAU800179	BAN105122	26%	72.9%	58.3%
SAU800179	BAN110486	32%	74.7%	33.2%
SAU800179	BFR10464	27%	65.8%	98.8%
SAU800179	BCE107762	26%	7.9%	98.0%
SAU800179	BFU114880	33%	30.3%	24.1%
SAU800179	BMA107341	33%	67.3%	47.5%
SAU800179	BMA108540	30%	67.2%	17.5%
SAU800179	CBO101685	28%	66.5%	92.1%
SAU800179	CDF101294	33%	65.9%	75.3%
SAU800179	CDP101614	26%	66.0%	41.7%
SAU800179	EBC101709	27%	68.9%	60.8%
SAU800179	ECO100576	28%	69.6%	50.8%
SAU800179	KPN300374	32%	47.1%	59.5%
SAU800179	KPN304828	28%	69.6%	50.5%
SAU800179	LPN101088	36%	66.7%	40.7%
SAU800179	MAV100199	37%	40.9%	34.2%
SAU800179	MAV108422	22%	5.8%	65%
SAU800179	MAV105730	26%	4.9%	63.4%
SAU800179	MAV100323	37%	2.8%	76.1%
SAU800179	MAV100747	31%	37.4%	16.2%
SAU800179	MAV103392	29%	27.5%	44.7%
SAU800179	MAV108053	32%	68.4%	54.7%
SAU800179	MAV100755	28%	51.1%	50.7%
SAU800179	MAV100412	28%	6.6%	77.2%
SAU800179	MAV100756	25%	48.6%	13.7%
SAU800179	MAV106465	29%	34.4%	81.2%
SAU800179	MAV100351	30%	40.6%	39.1%
SAU800179	MAV100574	30%	69.3%	16.7%
SAU800179	MBV104734	26%	21.9%	62.9%
SAU800179	MTU200101	26%	21.9%	62.9%
SAU800179	PAE202400	30%	11.1%	34.7%
SAU800179	PAE202397	31%	68.3%	25.6%
SAU800179	PAE202398	30%	51.8%	16.5%
SAU800179	PAE202399	25%	11.0%	96.8%
SAU800179	PPU101236	30%	69.9%	15.8%
SAU800179	PSY107058	30%	10.0%	85.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800179	PSY107996	33%	68.3%	49.2%
SAU800179	PSY108115	29%	0.8%	84.0%
SAU800179	PSY104787	30%	69.2%	18.3%
SAU800179	PSY106622	31%	69.8%	30.8%
SAU800179	PSY102912	30%	83.1%	3.2%
SAU800179	SPA100043	28%	54.6%	86.4%
SAU800179	STY101355	23%	5.8%	70.5%
SAU800179	STM101087	22%	1.0%	80.1%
SAU800179	SAU800179	100%	100%	100%
SAU800179	SEP202199	53%	42.0%	84.8%
SAU800179	SMU100382	27%	40.5%	98.9%
SAU800179	YPS003580	27%	64.7%	96.9%
SAU800185	ABA105856	35%	94.9%	91.7%
SAU800185	ABA104433	36%	94.2%	92.6%
SAU800185	BAN102092	44%	94.2%	94.2%
SAU800185	BAN104945	53%	98.5%	97.2%
SAU800185	BFR11237	33%	95.4%	97.9%
SAU800185	BPT100709	47%	95.2%	91.3%
SAU800185	BCE106345	35%	94.9%	92.0%
SAU800185	BFU105496	36%	93.4%	90.3%
SAU800185	BMA107078	36%	94.9%	86.9%
SAU800185	CJU100200	35%	96.2%	96.2%
SAU800185	CAC100405	40%	97.2%	99.0%
SAU800185	CDF100831	35%	99.0%	97.7%
SAU800185	CDP100997	39%	94.4%	88.9%
SAU800185	EBC103860	36%	94.7%	92.6%
SAU800185	EBC103776	40%	90.1%	80.0%
SAU800185	ECO103282	35%	94.7%	92.6%
SAU800185	ECO103006	39%	90.1%	74.0%
SAU800185	KPN302797	36%	93.1%	91.1%
SAU800185	KPN308058	37%	94.7%	93.5%
SAU800185	KPN301328	36%	94.7%	92.6%
SAU800185	LPN102205	38%	75.9%	90.9%
SAU800185	LMO102103	37%	95.7%	95.1%
SAU800185	MCA102985	44%	96.7%	93.5%
SAU800185	MAV102776	45%	99.7%	96.1%
SAU800185	MBV100237	39%	94.9%	95.3%
SAU800185	MLP100874	38%	95.9%	92.1%
SAU800185	MTU201634	39%	94.9%	92%
SAU800185	NGO101087	38%	94.2%	94.2%
SAU800185	NME201443	38%	93.9%	94.0%
SAU800185	PMU100344	35%	95.4%	95.2%
SAU800185	PRT100873	36%	93.4%	91.6%
SAU800185	PAE200894	38%	96.7%	94.6%
SAU800185	PPU101089	35%	95.2%	93.1%
SAU800185	PSY105268	40%	94.4%	93.5%
SAU800185	SPA103259	39%	89.6%	85.1%
SAU800185	STY100836	39%	89.6%	85.1%
SAU800185	STM101284	39%	89.6%	85.1%
SAU800185	SAU800957	56%	99.0%	98.5%
SAU800185	SAU800185	100%	100%	100%
SAU800185	SEP200162	56%	98.7%	98.2%
SAU800185	SHA101572	55%	98.7%	98.2%
SAU800185	SMU100706	26%	70.3%	70.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800185	SMU100846	36%	96.2%	93.7%
SAU800185	VCH102581	36%	94.2%	92.8%
SAU800185	YPS002621	36%	94.2%	91.8%
SAU800186	ABA103932	35%	97.1%	97.5%
SAU800186	BAN109506	58%	8.7%	79.6%
SAU800186	BAN112839	41%	65.7%	97.3%
SAU800186	BAN100191	40%	91.3%	99.5%
SAU800186	BAN109468	43%	91.3%	99.5%
SAU800186	BAN103523	42%	99.3%	97.3%
SAU800186	CPN201014	26%	87.1%	100%
SAU800186	CAC101620	41%	98.4%	98.6%
SAU800186	CBO101553	29%	79.1%	96.6%
SAU800186	CBO101868	36%	97.8%	97.7%
SAU800186	CBO103521	35%	99.6%	98.6%
SAU800186	EFA201957	58%	97.8%	97.3%
SAU800186	EFM201026	62%	93.8%	97.9%
SAU800186	HPY200813	29%	27.2%	24.8%
SAU800186	NGO101301	27%	39.4%	68.1%
SAU800186	NME200461	26%	39.4%	68.1%
SAU800186	PPU112371	33%	87.5%	95.7%
SAU800186	SAU800186	100%	100%	100%
SAU800186	SEP200040	72%	99.6%	98.7%
SAU800186	SPY200236	36%	98.9%	99.6%
SAU800186	TPA100262	31%	93.8%	92.5%
SAU800186	VCH100650	37%	98.0%	97.0%
SAU800187	BPT104834	23%	92.1%	71.3%
SAU800187	BCE113026	33%	97.0%	83.4%
SAU800187	BFU101703	31%	97.0%	83.4%
SAU800187	BMA108193	31%	81.8%	67.2%
SAU800187	CAC101772	28%	76.4%	64.6%
SAU800187	CBO103295	28%	83.6%	71.9%
SAU800187	CDF101300	25%	95.8%	83.8%
SAU800187	EBC102310	37%	97.0%	86.2%
SAU800187	EFM201317	33%	97.6%	81.9%
SAU800187	ECO101835	38%	97.0%	81.4%
SAU800187	KPN301312	37%	97.0%	86.2%
SAU800187	LMO101748	28%	70.3%	60%
SAU800187	MAV105869	28%	55.8%	45.1%
SAU800187	MAV106475	24%	51.5%	42.4%
SAU800187	MAV108289	31%	54.5%	43.1%
SAU800187	NME300906	32%	27.9%	8.7%
SAU800187	PAE204210	31%	55.2%	44.0%
SAU800187	PAE201901	31%	55.2%	44.0%
SAU800187	STY102266	38%	97.0%	86.2%
SAU800187	STM102408	38%	97.0%	86.2%
SAU800187	SAU800187	100%	100%	100%
SAU800187	SPN201097	33%	35.8%	35.5%
SAU800189	BCE100659	40%	67.8%	99.8%
SAU800189	BMA108578	42%	72.2%	78.6%
SAU800189	CAC100074	44%	98.4%	98.5%
SAU800189	EBC103351	45%	73.0%	98.0%
SAU800189	ECO100662	39%	95.2%	95.1%
SAU800189	KPN301181	39%	95.9%	95.7%
SAU800189	MTU405366	23%	22.3%	34.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800189	MGE100071	36%	4.6%	21.1%
SAU800189	MPN100624	34%	4.6%	21.3%
SAU800189	SPA101338	38%	95.9%	95.7%
SAU800189	STY101832	39%	95.9%	95.7%
SAU800189	STM101571	39%	95.9%	95.7%
SAU800189	SAU800189	100%	100%	100%
SAU800189	SEP201169	77%	98.2%	98.7%
SAU800189	SHA102201	79%	96.8%	99.8%
SAU800189	SMU100648	33%	94.7%	96.9%
SAU800189	SPY201526	33%	95.7%	95.1%
SAU800189	YPS003166	49%	73.1%	99.0%
SAU800190	BAN110675	33%	65.0%	66.3%
SAU800190	BAN112117	31%	97.2%	98.0%
SAU800190	CBO101036	31%	97.4%	98.6%
SAU800190	CDF101697	24%	93.7%	92.7%
SAU800190	EFA200342	32%	97.2%	95.4%
SAU800190	EFM201878	24%	93.7%	93.4%
SAU800190	LMO101299	27%	91.7%	91.4%
SAU800190	SAU800190	100%	100%	100%
SAU800190	SEP200415	43%	100%	100%
SAU800190	SHA101917	44%	99.1%	99.4%
SAU800190	SPY201019	24%	96.6%	97.0%
SAU800191	BAN108120	51%	98.0%	100%
SAU800191	BAN102078	58%	98.3%	100%
SAU800191	BFR11800	49%	79.9%	85.1%
SAU800191	BMA100134	24%	48.2%	72.6%
SAU800191	CJU101074	22%	50.5%	80.6%
SAU800191	CAC100588	47%	98.3%	97.4%
SAU800191	CBO102158	47%	98.7%	97.7%
SAU800191	CDF101698	43%	98.3%	96.7%
SAU800191	EBC102615	50%	96.3%	97.6%
SAU800191	EFA200347	57%	98.0%	99.0%
SAU800191	ECO102379	46%	97.7%	98.0%
SAU800191	HIN100734	47%	91.3%	90.1%
SAU800191	KPN309180	47%	96.3%	96%
SAU800191	MAV101477	23%	45.5%	65.9%
SAU800191	PMU101576	46%	96.3%	95.7%
SAU800191	PRT104700	46%	98.0%	98.0%
SAU800191	PAE204455	23%	50.8%	39.9%
SAU800191	SPA103314	47%	96.3%	97.6%
SAU800191	STY102082	47%	96.3%	97.0%
SAU800191	SAU800191	100%	100%	100%
SAU800191	SEP200417	61%	98.0%	99.3%
SAU800191	SHA101129	63%	98.3%	99.7%
SAU800191	VCH100677	50%	99.3%	96.7%
SAU800191	YPS003384	49%	96.3%	97.6%
SAU800192	BAN102807	44%	98.8%	99.6%
SAU800192	BAN104150	47%	98.8%	99.6%
SAU800192	CBO103921	40%	83.3%	94.3%
SAU800192	EBC102613	38%	97.3%	98.7%
SAU800192	EFA200349	61%	98.1%	98.6%
SAU800192	EFM202225	59%	97.1%	89.7%
SAU800192	ECO102380	37%	97.3%	98.5%
SAU800192	KPN308727	38%	96.7%	97.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800192	LMO102292	30%	96.5%	71.6%
SAU800192	MAV101637	20%	44.8%	48.3%
SAU800192	MBV104423	22%	40.5%	35.5%
SAU800192	MTU202378	22%	40.5%	32.3%
SAU800192	PMU101575	37%	97.3%	98.3%
SAU800192	PRT101385	35%	96.5%	96.9%
SAU800192	SPA103312	35%	87.2%	92.5%
SAU800192	STY102079	37%	97.3%	98.7%
SAU800192	SAU800192	100%	100%	100%
SAU800192	SEP200419	73%	99.2%	100%
SAU800192	SHA101130	73%	94.4%	100%
SAU800192	VCH100205	37%	96.5%	97.3%
SAU800195	BFR10845	24%	75.2%	69.6%
SAU800195	BCE100929	25%	63.8%	61.3%
SAU800195	BFU103174	23%	75.6%	73.4%
SAU800195	CJU101458	22%	99.8%	97.1%
SAU800195	CDP101414	24%	60.1%	55.1%
SAU800195	EBC105012	21%	65.6%	63.1%
SAU800195	EFA102287	28%	98.7%	98.8%
SAU800195	EFM202587	28%	98.7%	98.8%
SAU800195	ECO104239	22%	47.1%	41.0%
SAU800195	HIN101253	26%	73.7%	67.4%
SAU800195	HPY100833	38%	82.9%	90.9%
SAU800195	KPN211627	21%	65.6%	63.1%
SAU800195	MCA101429	27%	60.0%	54.8%
SAU800195	MPN100491	41%	20.7%	99.0%
SAU800195	NGO100947	35%	94.6%	91.8%
SAU800195	NME300783	36%	84.9%	92.7%
SAU800195	PMU101541	25%	62.5%	58.8%
SAU800195	PRT103742	23%	77.3%	71.0%
SAU800195	PAE202730	22%	60.7%	53.7%
SAU800195	PSY104037	23%	78.9%	77.0%
SAU800195	SPA101738	26%	21.0%	44.2%
SAU800195	STY104457	23%	34.6%	30.8%
SAU800195	SAU800195	100%	100%	100%
SAU800195	SEP200634	59%	100%	99.8%
SAU800195	SHA103279	62%	4.0%	78.7%
SAU800195	SMU100869	36%	95.7%	100%
SAU800195	SPY201467	30%	97.4%	95.2%
SAU800195	UUR100094	34%	94.2%	91.5%
SAU800195	VCH101736	23%	74.4%	76.1%
SAU800205	ABA103034	39%	48.5%	93.0%
SAU800205	BAN106829	38%	98.5%	78.5%
SAU800205	BAN101703	40%	3.6%	94.8%
SAU800205	BAN110503	38%	54.9%	97.4%
SAU800205	BPT100790	43%	49.1%	96.9%
SAU800205	BCE105561	42%	98.5%	41.2%
SAU800205	BFU101118	43%	98.1%	93.7%
SAU800205	BMA102386	42%	98.5%	95.6%
SAU800205	CBO102569	38%	99.1%	100%
SAU800205	CDP100969	39%	99.2%	46.2%
SAU800205	EBC102789	43%	98.9%	93%
SAU800205	EFA201581	39%	54.9%	97.4%
SAU800205	ECO100805	43%	51.5%	94.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800205	HPY100246	39%	99.4%	49.2%
SAU800205	KPN305262	42%	98.1%	98.9%
SAU800205	MAV102743	41%	48.5%	96.7%
SAU800205	MBV103927	41%	50.9%	98.0%
SAU800205	MTU203609	41%	50.9%	98.5%
SAU800205	PAE201806	42%	99.4%	98.3%
SAU800205	PPU106261	43%	98.3%	47.8%
SAU800205	PSY105667	43%	48.3%	98.7%
SAU800205	SPA101236	43%	84.7%	33.6%
SAU800205	STY102412	43%	51.3%	92.1%
SAU800205	STM102195	43%	51.3%	92.1%
SAU800205	SAU800205	100%	100%	100%
SAU800205	VCH100168	39%	98.7%	44.8%
SAU800205	YPS000348	41%	48.3%	98.9%
SAU800208	HPY201191	23%	51.3%	37.4%
SAU800208	SAU800208	100%	100%	100%
SAU800209	ABA106026	29%	79.9%	89.0%
SAU800209	BPT102230	32%	79.0%	90.9%
SAU800209	BCE114044	34%	69.9%	90.4%
SAU800209	BFU113973	29%	75.9%	87.0%
SAU800209	BFU104436	31%	76.9%	89.3%
SAU800209	BMA104598	31%	76.8%	89.9%
SAU800209	CDF100584	28%	74.3%	89.8%
SAU800209	EBC103795	35%	74.1%	85.9%
SAU800209	ECO103370	34%	74.6%	86.6%
SAU800209	HPY101101	35%	79.2%	94.2%
SAU800209	KPN308894	36%	74.6%	86.4%
SAU800209	LPN103288	33%	78.3%	91.3%
SAU800209	MCA103579	32%	80.8%	98.0%
SAU800209	MAV104222	25%	73.5%	88.8%
SAU800209	MBV101291	30%	79.0%	89.0%
SAU800209	MTU202358	30%	79.0%	87.1%
SAU800209	NGO101177	33%	81.3%	91.9%
SAU800209	NME201155	34%	80.8%	91.5%
SAU800209	PRT102085	34%	79.8%	92.0%
SAU800209	PAE201337	32%	69.5%	82.4%
SAU800209	PPU101006	31%	79.0%	93.8%
SAU800209	PSY102725	34%	71.7%	82.6%
SAU800209	SPA103343	34%	74.3%	86.2%
SAU800209	STY101289	34%	74.3%	86.2%
SAU800209	SAU800209	100%	100%	100%
SAU800209	SEP201132	26%	79.3%	91.2%
SAU800209	SHA102213	27%	70.8%	84.7%
SAU800209	VCH100192	33%	80.4%	92.3%
SAU800210	BAN102515	25%	49.0%	35.1%
SAU800210	SAU800100	36%	91.8%	91.4%
SAU800210	SAU800099	33%	92.2%	91.4%
SAU800210	SAU800097	35%	92.6%	91.8%
SAU800210	SAU800210	100%	100%	100%
SAU800210	SEP200591	31%	86.0%	94.5%
SAU800210	SEP200593	32%	86.0%	93.7%
SAU800210	SEP200598	33%	86.4%	95.7%
SAU800210	SEP200616	30%	97.7%	97.7%
SAU800210	SEP200552	30%	93.0%	92.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800210	SEP200589	32%	92.2%	92.9%
SAU800210	SEP200597	33%	93.0%	93.1%
SAU800210	SEP200553	33%	93.4%	93.8%
SAU800210	SEP200083	34%	93.4%	98.0%
SAU800210	UUR100488	23%	61.5%	14.0%
SAU800210	UUR100500	25%	50.2%	2.6%
SAU800217	BAN105693	25%	39.3%	42.3%
SAU800217	BAN101644	24%	69.9%	67.7%
SAU800217	BFR11588	30%	56.8%	56.0%
SAU800217	BPT101418	23%	98.3%	95.7%
SAU800217	BCE114462	26%	76.6%	70.8%
SAU800217	BFU109787	27%	56.3%	57.3%
SAU800217	BMA100330	27%	53.2%	54.5%
SAU800217	CJU100467	24%	52.9%	59.0%
SAU800217	CAC101556	26%	57.1%	61.8%
SAU800217	CAC101990	28%	57.7%	63.8%
SAU800217	CBO100089	28%	99.7%	94.9%
SAU800217	CDF101374	32%	32.3%	33.3%
SAU800217	EBC102005	34%	98.3%	97.4%
SAU800217	EFA200857	31%	55.4%	60.5%
SAU800217	EFM202322	33%	98.1%	98.8%
SAU800217	ECO101286	37%	98.3%	96.9%
SAU800217	HPY100671	29%	29.5%	38.1%
SAU800217	KPN303110	26%	76.6%	70.8%
SAU800217	KPN303422	27%	76.6%	70.4%
SAU800217	LPN102197	22%	96.4%	95.3%
SAU800217	LMO100926	67%	99.4%	99.7%
SAU800217	MAV105900	25%	98.1%	98.1%
SAU800217	MAV106814	27%	77.2%	74.2%
SAU800217	PRT104380	30%	51.5%	51.6%
SAU800217	PAE205144	28%	52.4%	50.8%
SAU800217	PSY102486	25%	71.6%	69.5%
SAU800217	SPA102336	30%	51.5%	51.1%
SAU800217	STY100553	29%	51.5%	48.2%
SAU800217	STM103742	28%	54.0%	55.4%
SAU800217	SAU800217	100%	100%	100%
SAU800217	SPN201737	28%	41.2%	65.4%
SAU800217	SPY200315	27%	40.7%	44.8%
SAU800217	YPS002291	26%	98.3%	97.9%
SAU800218	BCE105360	31%	57.2%	57.3%
SAU800218	CDF101870	23%	56.4%	59.0%
SAU800218	PMU101765	30%	55.5%	52.9%
SAU800218	PMU101759	25%	77.7%	68.1%
SAU800218	PPU111816	22%	77.5%	80.1%
SAU800218	SAU800218	100%	100%	100%
SAU800218	SMU100226	24%	54.9%	58.6%
SAU800218	SPN401529	23%	77.7%	68.1%
SAU800218	VCH102835	35%	55.2%	54.3%
SAU800219	BAN109911	28%	23.3%	48.1%
SAU800219	BAN113414	23%	70.8%	71.8%
SAU800219	BFU109648	27%	51.6%	51.3%
SAU800219	BMA102321	23%	48.4%	49.0%
SAU800219	CBO103013	27%	46.6%	44.9%
SAU800219	EBC102356	34%	27.0%	27.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800219	EFA201215	23%	53.7%	59.4%
SAU800219	EFM100935	27%	36.3%	38.5%
SAU800219	KPN304402	30%	42.9%	39.4%
SAU800219	LMO100731	63%	100%	100%
SAU800219	PSY102814	27%	34.2%	35.7%
SAU800219	SAU800219	100%	100%	100%
SAU800219	YPS000561	28%	32.9%	29.7%
SAU800230	BCE113780	20%	36.8%	66.7%
SAU800230	BMA109792	21%	34.5%	58.8%
SAU800230	PMU101543	31%	13.7%	42.4%
SAU800230	PAE201595	20%	29.8%	32.3%
SAU800230	SAU800230	100%	100%	100%
SAU800230	SAU800812	26%	62.0%	80.4%
SAU800230	SPN202849	22%	38.0%	55.9%
SAU800232	ABA103707	31%	38.2%	55.5%
SAU800232	BAN100937	30%	61.4%	59.3%
SAU800232	BAN107686	33%	99.7%	99.6%
SAU800232	BPT101578	29%	39.3%	81.4%
SAU800232	BCE106359	35%	77.8%	97.5%
SAU800232	BFU110931	34%	100%	96.5%
SAU800232	BMA107156	36%	99.7%	94.6%
SAU800232	CAC103282	31%	38.1%	100%
SAU800232	CBO103696	32%	37.5%	98.9%
SAU800232	CDF100453	31%	37.8%	99.6%
SAU800232	EBC103297	29%	77.6%	21.5%
SAU800232	EFM200577	29%	13.1%	91.2%
SAU800232	ECO103758	32%	77.6%	21.8%
SAU800232	KPN305008	29%	52.1%	87.1%
SAU800232	LPN103257	33%	99.7%	99.2%
SAU800232	MCA100365	33%	77.0%	22.9%
SAU800232	MAV101275	33%	37.6%	94.3%
SAU800232	MBV104755	32%	37.6%	97.9%
SAU800232	MLP101467	33%	37.6%	97.6%
SAU800232	MTU200466	32%	37.6%	97.9%
SAU800232	PRT102958	28%	76.6%	22.6%
SAU800232	PAE203012	31%	77.4%	22.4%
SAU800232	PPU110248	30%	37.8%	99.3%
SAU800232	PSY102874	29%	77.4%	22.2%
SAU800232	SPA101936	31%	77.0%	22.9%
SAU800232	STY101059	31%	76.9%	22.1%
SAU800232	SAU800232	100%	100%	100%
SAU800232	SEP200029	26%	21.4%	49.2%
SAU800232	VCH101028	31%	76.5%	22.8%
SAU800232	YPS000580	29%	76.2%	23.2%
SAU800244	CDF102198	25%	95.8%	99.4%
SAU800244	EFA202092	26%	86.8%	95.4%
SAU800244	EFM200261	27%	85.5%	89.1%
SAU800244	LMO102925	33%	98.6%	98.8%
SAU800244	SAU800244	100%	100%	100%
SAU800244	SPN401937	26%	86.5%	88.9%
SAU800244	SPY201502	24%	98.0%	98.8%
SAU800248	ABA101016	28%	89.7%	91.8%
SAU800248	BAN100750	36%	88.9%	90.6%
SAU800248	BAN111894	36%	96.9%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800248	BFR11480	26%	92.3%	94.5%
SAU800248	BCE110397	34%	88.3%	77.0%
SAU800248	BFU101210	30%	96.6%	93.6%
SAU800248	BMA104338	32%	88.6%	89.0%
SAU800248	CBO103141	33%	84.6%	86.3%
SAU800248	CDF102818	52%	96.9%	99.7%
SAU800248	CDP101523	33%	82.6%	84.3%
SAU800248	EBC102200	30%	96.6%	98.8%
SAU800248	ECO101744	29%	98.6%	100%
SAU800248	HIN100052	32%	84.6%	86.5%
SAU800248	LMO101960	50%	96.9%	99.7%
SAU800248	MBV100889	27%	94.3%	98.2%
SAU800248	MTU201862	26%	94.9%	87.2%
SAU800248	NGO100006	29%	94.0%	96.9%
SAU800248	NME200748	29%	94.0%	96.9%
SAU800248	PAE204150	30%	88.9%	89.0%
SAU800248	PPU108157	31%	86.6%	87.0%
SAU800248	PSY100942	28%	57.8%	61.2%
SAU800248	SAU800248	100%	100%	100%
SAU800248	SEP201149	31%	86.9%	88.3%
SAU800248	SHA102394	30%	93.7%	93.3%
SAU800248	YPS000069	31%	97.2%	94.3%
SAU800249	SAU800249	100%	100%	100%
SAU800250	ABA100470	30%	68.3%	68.5%
SAU800250	ABA104607	27%	99.4%	99.7%
SAU800250	BCE102585	31%	97.4%	96.5%
SAU800250	BMA104373	30%	91.6%	91.5%
SAU800250	CAC103234	24%	98.8%	99.2%
SAU800250	CBO100670	42%	99.7%	98.9%
SAU800250	CDF103454	45%	99.7%	99.4%
SAU800250	EFM200976	29%	60.2%	59.9%
SAU800250	ECO102050	36%	88.5%	89.0%
SAU800250	KPN300285	30%	42.1%	88.0%
SAU800250	KPN300067	37%	41.2%	84.6%
SAU800250	KPN302061	33%	91.6%	91.9%
SAU800250	LMO100742	55%	99.1%	99.1%
SAU800250	MAV102599	28%	99.4%	99.4%
SAU800250	NME301308	30%	79.3%	82.1%
SAU800250	PRT102478	31%	87.9%	88.3%
SAU800250	PAE204094	32%	82.1%	82.4%
SAU800250	PSY101076	26%	98.8%	98.7%
SAU800250	SPA103909	33%	91.6%	93.5%
SAU800250	STY100960	34%	91.6%	91.9%
SAU800250	STM101689	34%	91.6%	91.9%
SAU800250	SAU800250	100%	100%	100%
SAU800250	SEP201139	31%	96.3%	95.1%
SAU800250	SPN401863	30%	91.6%	91.2%
SAU800250	VCH103605	29%	87.9%	87.8%
SAU800250	YPS001510	31%	96.8%	97.4%
SAU800251	ABA104830	24%	97.1%	93.7%
SAU800251	BAN102596	25%	88.2%	95.3%
SAU800251	BAN108361	31%	95.0%	95.6%
SAU800251	BFR100529	34%	95.0%	97.3%
SAU800251	BPT100080	26%	92.0%	55.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800251	BCE101526	26%	95.0%	54.6%
SAU800251	BFU100214	27%	96.6%	95.8%
SAU800251	BMA106181	30%	96.6%	51.7%
SAU800251	CJU101513	21%	92.4%	51.8%
SAU800251	CPN200167	23%	95.0%	96.7%
SAU800251	CTR200736	24%	95.0%	93.6%
SAU800251	CAC101569	32%	95.4%	95.6%
SAU800251	CBO100888	35%	95.4%	92.0%
SAU800251	CDF102172	32%	95.0%	56.7%
SAU800251	CDP100619	25%	77.3%	88.3%
SAU800251	EBC104340	27%	95.0%	91.5%
SAU800251	EFA201718	27%	97.5%	98.3%
SAU800251	ECO102687	26%	95.0%	91.5%
SAU800251	HIN100653	30%	95.0%	94.2%
SAU800251	HPY101003	22%	92.4%	48.3%
SAU800251	KPN303853	27%	95.0%	91.5%
SAU800251	LPN102227	23%	49.6%	56.0%
SAU800251	LMO100038	63%	97.5%	97.9%
SAU800251	MCA101101	29%	97.5%	94.6%
SAU800251	MAV102723	23%	97.1%	92.8%
SAU800251	MBV100382	27%	97.5%	97.0%
SAU800251	MLP100220	25%	97.1%	96.7%
SAU800251	MTU203530	27%	97.5%	97.0%
SAU800251	MPN100578	18%	52.5%	51.8%
SAU800251	NGO100250	28%	95.0%	95.2%
SAU800251	NME201572	29%	95.0%	95.2%
SAU800251	PMU101608	32%	95.0%	92.0%
SAU800251	PRT106157	28%	98.3%	91.0%
SAU800251	PAE203631	27%	92.0%	91.0%
SAU800251	PPU101184	26%	93.7%	92.3%
SAU800251	PSY104324	27%	93.7%	90.8%
SAU800251	SPA100751	27%	95.0%	92.3%
SAU800251	STY103434	26%	95.0%	91.5%
SAU800251	SAU800255	76%	100%	100%
SAU800251	SAU800251	100%	100%	100%
SAU800251	SEP200082	65%	100%	100%
SAU800251	SPN401148	51%	98.3%	100%
SAU800251	TPA100508	30%	50.8%	30.1%
SAU800251	VCH100518	26%	92.4%	91.4%
SAU800251	YPS000098	27%	95.0%	89.6%
SAU800252	LMO101739	56%	100%	100%
SAU800252	SAU800256	80%	99.4%	99.4%
SAU800252	SAU800252	100%	100%	100%
SAU800252	SEP200084	67%	100%	100%
SAU800252	SPN401147	41%	100%	98.3%
SAU800253	CDF103032	21%	41.8%	49.4%
SAU800253	LMO100411	50%	98.4%	98.8%
SAU800253	SAU800257	79%	98.9%	99.3%
SAU800253	SAU800253	100%	100%	100%
SAU800253	SEP200090	58%	99.5%	99.3%
SAU800254	ABA103648	25%	17.0%	27.2%
SAU800254	CDF104151	24%	98.2%	95.7%
SAU800254	EFA201713	47%	98.7%	99.7%
SAU800254	EFM100909	29%	98.2%	97.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800254	SAU800254	100%	100%	100%
SAU800254	SEP200935	47%	99.7%	54.2%
SAU800254	SHA101588	50%	99.7%	54.2%
SAU800254	SPN201930	32%	92.3%	90.3%
SAU800255	ABA104830	25%	96.6%	93.3%
SAU800255	BAN102596	23%	88.2%	95.3%
SAU800255	BAN108361	31%	95.0%	95.6%
SAU800255	BFR100529	34%	95.0%	97.3%
SAU800255	BPT100080	26%	92.0%	55.2%
SAU800255	BCE101526	27%	95.0%	54.6%
SAU800255	BFU100214	26%	96.2%	95.4%
SAU800255	BMA106181	28%	96.2%	51.5%
SAU800255	CJU101513	23%	92.4%	51.8%
SAU800255	CPN200167	25%	95.0%	96.7%
SAU800255	CTR200736	25%	95.0%	93.6%
SAU800255	CAC101569	30%	97.5%	97.8%
SAU800255	CBO100888	32%	95.0%	91.6%
SAU800255	CDF102172	32%	95.0%	56.7%
SAU800255	CDP100619	29%	77.3%	87.9%
SAU800255	EBC104340	26%	94.1%	90.7%
SAU800255	EFA201718	27%	95.4%	96.2%
SAU800255	ECO102687	27%	94.1%	90.7%
SAU800255	HIN100653	30%	92.4%	91.6%
SAU800255	HPY101003	23%	92.4%	48.3%
SAU800255	KPN303853	27%	94.1%	90.7%
SAU800255	LMO100038	60%	97.5%	97.9%
SAU800255	MCA101101	29%	97.1%	94.2%
SAU800255	MAV102723	23%	96.2%	91.9%
SAU800255	MBV100382	27%	95.0%	94.4%
SAU800255	MLP100220	24%	96.2%	95.9%
SAU800255	MTU203530	27%	95.0%	94.4%
SAU800255	MPN100578	20%	55.5%	54.6%
SAU800255	NGO100250	25%	95.0%	95.2%
SAU800255	NME201572	27%	95.0%	95.2%
SAU800255	PMU101608	33%	94.1%	91.2%
SAU800255	PRT106157	30%	94.1%	87.1%
SAU800255	PAE203631	27%	92.0%	91.0%
SAU800255	PPU101184	29%	93.7%	92.3%
SAU800255	PSY104324	30%	93.7%	90.8%
SAU800255	SPA100751	26%	94.1%	91.5%
SAU800255	STY103434	26%	94.1%	90.7%
SAU800255	SAU800251	76%	100%	100%
SAU800255	SAU800255	100%	100%	100%
SAU800255	SEP200082	65%	100%	100%
SAU800255	SPN401148	50%	97.1%	98.7%
SAU800255	TPA100508	28%	50.8%	30.1%
SAU800255	VCH100518	28%	92.4%	91.4%
SAU800255	YPS000098	28%	92.4%	87.1%
SAU800256	LMO101739	57%	99.4%	99.4%
SAU800256	SAU800252	80%	99.4%	99.4%
SAU800256	SAU800256	100%	100%	100%
SAU800256	SEP200084	65%	99.4%	99.4%
SAU800256	SPN401147	42%	99.4%	97.7%
SAU800257	CDF103032	21%	42.7%	50.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800257	LMO100411	52%	99.6%	99.6%
SAU800257	SAU800253	79%	99.3%	98.9%
SAU800257	SAU800257	100%	100%	100%
SAU800257	SEP200090	60%	99.6%	99.1%
SAU800258	ABA104701	35%	15.7%	22.4%
SAU800258	ABA100036	35%	15.7%	58.1%
SAU800258	BAN109166	35%	17.8%	37.9%
SAU800258	BFR11102	26%	37.9%	63.1%
SAU800258	BPT102737	34%	18.3%	39.1%
SAU800258	BBU100571	25%	37.2%	62.3%
SAU800258	BCE115140	33%	18.8%	24.7%
SAU800258	BFU110385	32%	18.8%	34.1%
SAU800258	BMA101495	28%	15.7%	28.6%
SAU800258	CJU101072	25%	36.8%	78.8%
SAU800258	CJU101065	34%	19.2%	35.6%
SAU800258	CAC101983	23%	33.3%	58.0%
SAU800258	CAC103151	23%	47.3%	85.0%
SAU800258	CAC103767	27%	34.0%	60.4%
SAU800258	CBO101238	33%	21.5%	28.1%
SAU800258	CDF100756	39%	17.3%	37.6%
SAU800258	CDF102522	39%	18.8%	42.6%
SAU800258	EBC106956	24%	43.6%	75.5%
SAU800258	EFA201715	25%	72.8%	88.5%
SAU800258	EFM202433	27%	47.5%	81.5%
SAU800258	ECO103537	25%	35.1%	60.8%
SAU800258	HIN100848	32%	19.7%	44.4%
SAU800258	KPN306449	26%	35.8%	49.1%
SAU800258	LMO100218	30%	45.5%	41.4%
SAU800258	LMO102930	28%	84.6%	98.8%
SAU800258	MAV104430	35%	9.1%	55.4%
SAU800258	MAV108796	31%	18.5%	87.7%
SAU800258	MAV105180	31%	18.5%	31.4%
SAU800258	MBV102059	32%	21.6%	49.2%
SAU800258	MTU202919	32%	21.6%	45.8%
SAU800258	MGE100062	26%	45.9%	92.3%
SAU800258	MPN100080	27%	45.9%	91.3%
SAU800258	NGO100795	27%	36.1%	67.2%
SAU800258	NME200769	24%	1.2%	14.9%
SAU800258	PMU100414	24%	39.1%	37.5%
SAU800258	PMU100777	36%	18.8%	22.2%
SAU800258	PRT105387	29%	34.7%	63.3%
SAU800258	PAE201013	25%	37.0%	63.6%
SAU800258	PAE200704	28%	29.3%	56.2%
SAU800258	SPA100813	25%	35.1%	60.9%
SAU800258	STY100337	25%	35.1%	60.8%
SAU800258	SAU800258	100%	100%	100%
SAU800258	SHA103377	22%	79.8%	70.5%
SAU800258	SMU100179	32%	16.8%	20.6%
SAU800258	SPN401222	27%	38.2%	67.1%
SAU800258	SPY200584	37%	16.8%	28.7%
SAU800258	VCH100222	25%	17.1%	36.7%
SAU800258	YPS001811	26%	35.1%	63.5%
SAU800259	ABA105031	33%	25%	42.1%
SAU800259	ABA103514	36%	19.6%	39.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800259	BAN105960	33%	97.8%	95.4%
SAU800259	BAN111821	35%	97.8%	95.3%
SAU800259	BFR104894	30%	96.0%	90.6%
SAU800259	CAC102864	27%	99.6%	95.4%
SAU800259	CBO103379	26%	99.1%	98.3%
SAU800259	EBC101849	27%	99.1%	97.7%
SAU800259	ECO104099	26%	99.1%	97.7%
SAU800259	HIN101642	27%	96.4%	95.1%
SAU800259	KPN301645	27%	99.1%	97.7%
SAU800259	NGO101099	28%	64.7%	88.5%
SAU800259	NME201436	28%	64.7%	88.5%
SAU800259	SPA102874	28%	99.1%	97.7%
SAU800259	STY103825	27%	99.1%	97.7%
SAU800259	SAU800259	100%	100%	100%
SAU800259	SEP200713	64%	100%	100%
SAU800259	SHA100275	56%	98.2%	94.0%
SAU800259	YPS002190	29%	97.8%	96.4%
SAU800260	ABA104881	28%	35.4%	51.2%
SAU800260	BAN112193	36%	100%	98.7%
SAU800260	BAN103268	47%	100%	98.6%
SAU800260	BFR100093	32%	21.7%	64.8%
SAU800260	BFR105927	30%	25%	41.9%
SAU800260	BFR100037	26%	37.7%	66.1%
SAU800260	BFR102275	31%	34.2%	47.6%
SAU800260	BMA107268	28%	35.4%	42.3%
SAU800260	CBO102259	28%	97.9%	98.7%
SAU800260	CDF102594	32%	19.0%	11.5%
SAU800260	EBC101862	29%	98.8%	97.5%
SAU800260	EFA201465	55%	99.7%	98.8%
SAU800260	ECO102085	33%	88.2%	89.7%
SAU800260	KPN304497	30%	88.0%	87.5%
SAU800260	MLP100485	23%	34.2%	36.8%
SAU800260	PRT100975	31%	90.2%	91.0%
SAU800260	PAE205257	30%	32.0%	48.9%
SAU800260	PSY101223	29%	37.3%	58.9%
SAU800260	SPA101285	31%	69.7%	90.6%
SAU800260	STY104209	32%	88.2%	89.7%
SAU800260	SAU800260	100%	100%	100%
SAU800260	SEP201115	62%	100%	98.6%
SAU800260	SHA101627	60%	100%	99.8%
SAU800260	SMU100699	42%	99.5%	99.0%
SAU800260	SPY201225	30%	30.1%	30.7%
SAU800260	UUR100332	31%	14.4%	25.4%
SAU800260	VCH100681	34%	96.4%	96.6%
SAU800260	YPS002393	30%	96.6%	95.6%
SAU800261	ABA105148	27%	90.7%	90.2%
SAU800261	BAN111111	33%	30.1%	32.7%
SAU800261	BAN106990	23%	81.3%	97.5%
SAU800261	BAN100847	26%	99.6%	100%
SAU800261	BAN109397	41%	87.0%	95.5%
SAU800261	BAN108013	43%	97.6%	97.6%
SAU800261	BFR101022	26%	90.2%	92.2%
SAU800261	BFR102850	28%	88.2%	93.5%
SAU800261	BMA102889	25%	73.2%	83.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800261	CAC100960	32%	93.9%	92.9%
SAU800261	CBO102381	31%	99.6%	98.8%
SAU800261	CDF100237	26%	85.8%	83.5%
SAU800261	CDF102273	26%	85.8%	83.7%
SAU800261	CDF104306	34%	97.6%	98.0%
SAU800261	EBC101861	31%	97.6%	97.9%
SAU800261	EFA201466	39%	99.6%	99.6%
SAU800261	ECO102338	31%	97.6%	98.0%
SAU800261	KPN305564	30%	99.6%	99.6%
SAU800261	PRT100974	28%	100%	100%
SAU800261	PAE205256	27%	86.6%	85.9%
SAU800261	PPU105503	27%	86.6%	85.8%
SAU800261	PSY101225	26%	86.6%	85.9%
SAU800261	SPA100641	31%	99.6%	99.6%
SAU800261	STY104207	31%	99.6%	99.6%
SAU800261	SAU800261	100%	100%	100%
SAU800261	SEP201118	56%	99.6%	99.6%
SAU800261	SHA101628	56%	99.6%	99.6%
SAU800261	SMU100697	38%	99.6%	100%
SAU800261	VCH100680	31%	99.2%	98.7%
SAU800261	YPS003402	30%	99.6%	99.2%
SAU800265	SAU800265	100%	100%	100%
SAU800266	BCE112960	30%	12.3%	27.8%
SAU800266	CAC102672	53%	98.3%	97.9%
SAU800266	CBO101233	51%	99.4%	99.8%
SAU800266	CDF104152	58%	99.6%	97.5%
SAU800266	EBC102957	61%	99.4%	99.0%
SAU800266	EFA201872	61%	100%	100%
SAU800266	EFM200012	50%	100%	100%
SAU800266	ECO102837	60%	99.4%	98.5%
SAU800266	HPY100481	23%	28.5%	20.1%
SAU800266	KPN302322	61%	99.4%	99.0%
SAU800266	LMO101366	52%	99.2%	98.5%
SAU800266	PAE202235	23%	23.2%	24.4%
SAU800266	SPA102065	60%	99.4%	99.8%
SAU800266	STY104157	60%	99.4%	99.0%
SAU800266	STM100453	60%	99.4%	99.0%
SAU800266	SAU800266	100%	100%	100%
SAU800266	SMU101099	59%	100%	100%
SAU800266	SPN400276	59%	100%	99.8%
SAU800266	SPY200413	50%	98.5%	97.5%
SAU800266	VCH101534	59%	99.2%	98.7%
SAU800266	YPS000320	61%	99.6%	99.2%
SAU800275	BAN105787	31%	91.5%	95.9%
SAU800275	BAN100216	31%	95.5%	96.3%
SAU800275	BFR10144	27%	80.3%	76.3%
SAU800275	BPT100089	23%	84.2%	73.0%
SAU800275	EFA201193	26%	95.5%	96.3%
SAU800275	EFM200963	30%	57.9%	97.4%
SAU800275	EFM201908	28%	93.9%	95.1%
SAU800275	LPN102698	25%	84.8%	77.1%
SAU800275	LMO102567	33%	98.8%	99.7%
SAU800275	PRT102323	23%	78.5%	76.9%
SAU800275	STY104246	21%	88.2%	85.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800275	STM100292	24%	69.1%	65.3%
SAU800275	SAU800275	100%	100%	100%
SAU800275	SEP200129	39%	97.0%	97.5%
SAU800275	SHA102499	57%	96.1%	96.6%
SAU800275	VCH103597	24%	87.6%	75.7%
SAU800276	ABA104564	35%	34.2%	61.2%
SAU800276	ABA104278	38%	35.4%	47.0%
SAU800276	BAN102443	32%	23.4%	78.4%
SAU800276	BAN107541	39%	17.7%	75.3%
SAU800276	BAN102744	31%	32.9%	47.0%
SAU800276	BAN105155	33%	32.9%	33.8%
SAU800276	BAN105190	35%	31.3%	46.1%
SAU800276	BAN106068	33%	34.2%	70.7%
SAU800276	BAN110711	32%	32.9%	24.3%
SAU800276	BAN105770	24%	90.8%	53.5%
SAU800276	BFR104439	36%	32.6%	30.1%
SAU800276	BPT100952	25%	32.9%	34.0%
SAU800276	BPT102841	42%	27.2%	18.3%
SAU800276	BBU100261	40%	28.8%	21.6%
SAU800276	BCE109741	33%	34.8%	45.2%
SAU800276	BFU110700	38%	32.9%	24.1%
SAU800276	BMA106266	34%	32.3%	32.2%
SAU800276	BMA107058	28%	49.1%	54.7%
SAU800276	CJU101140	41%	33.5%	26.2%
SAU800276	CBO103952	34%	27.2%	31.8%
SAU800276	CBO100842	36%	34.2%	32.8%
SAU800276	CDP102682	39%	36.1%	45.4%
SAU800276	EBC101986	44%	31.6%	22.6%
SAU800276	EFA104124	31%	28.8%	10.3%
SAU800276	EFM201027	25%	36.7%	31.5%
SAU800276	ECO101824	46%	31.6%	22.4%
SAU800276	HIN100389	40%	27.2%	17.9%
SAU800276	HPY101521	35%	27.8%	28.6%
SAU800276	HPY101520	39%	27.2%	27.6%
SAU800276	KPN301974	45%	31.6%	21.4%
SAU800276	LPN103304	28%	48.4%	31.2%
SAU800276	LPN100852	28%	33.9%	33.7%
SAU800276	MAV105579	39%	35.8%	47.8%
SAU800276	MBV101965	40%	35.8%	32.5%
SAU800276	MLP100112	36%	35.8%	32.4%
SAU800276	MTU200941	40%	35.8%	32.5%
SAU800276	NME100252	38%	33.9%	62.0%
SAU800276	PMU100243	32%	48.4%	26.0%
SAU800276	PRT104826	42%	31.6%	22.4%
SAU800276	PAE205358	39%	26.6%	30.1%
SAU800276	PAE204402	41%	28.8%	29.0%
SAU800276	PPU101395	25%	32.9%	35.6%
SAU800276	PSY103768	27%	32.9%	35.8%
SAU800276	SPA101025	45%	31.6%	21.4%
SAU800276	STY102254	45%	31.6%	21.4%
SAU800276	STM104197	29%	39.6%	28.1%
SAU800276	SAU800212	41%	41.5%	69.8%
SAU800276	SAU800276	100%	100%	100%
SAU800276	SHA101766	42%	43.0%	75.9%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800276	TPA100698	30%	29.1%	29.2%
SAU800276	VCH103759	29%	36.4%	33.1%
SAU800276	VCH100495	40%	27.2%	19.7%
SAU800276	VCH100828	37%	27.2%	28.1%
SAU800276	VCH102815	33%	41.1%	30%
SAU800276	YPS003469	44%	31.6%	22.5%
SAU800283	BPT100278	22%	13.4%	48.4%
SAU800283	CAC101825	20%	80.8%	94.0%
SAU800283	EFA104022	20%	99.0%	98.2%
SAU800283	KPN303530	19%	14.8%	32.5%
SAU800283	LMO100848	22%	99.9%	99.3%
SAU800283	PPU108475	20%	11.9%	38.6%
SAU800283	SAU800283	100%	100%	100%
SAU800283	SPY100981	23%	21.1%	94.5%
SAU800283	VCH103001	21%	9.5%	14.9%
SAU800283	VCH102911	23%	11.9%	19.3%
SAU800283	VCH100506	26%	12.9%	20.8%
SAU800286	ABA101446	26%	17.8%	27.9%
SAU800286	BCE101210	26%	18.7%	91.2%
SAU800286	BFU105853	34%	7.0%	72.3%
SAU800286	CJU101537	25%	22.3%	35.6%
SAU800286	CAC102758	24%	79.7%	96.8%
SAU800286	CBO102824	25%	48.2%	68.4%
SAU800286	CBO100018	24%	48.6%	66.9%
SAU800286	EFA101293	24%	72.7%	80.5%
SAU800286	EFM201359	21%	43.0%	26.6%
SAU800286	HPY100503	30%	11.7%	4.6%
SAU800286	HPY100850	35%	15.8%	15.9%
SAU800286	LMO101757	28%	84.5%	93.7%
SAU800286	MCA103136	27%	13.3%	37.1%
SAU800286	PAE200936	32%	15.3%	36.9%
SAU800286	SPA101872	25%	16.9%	61.5%
SAU800286	SAU800286	100%	100%	100%
SAU800286	UUR100158	29%	26.6%	59.3%
SAU800287	BBU100078	28%	24.8%	59.5%
SAU800287	SAU800287	100%	100%	100%
SAU800287	SPY200883	28%	19.3%	54.1%
SAU800292	SAU800292	100%	100%	100%
SAU800293	BAN113454	21%	29.0%	49.1%
SAU800293	CBO103647	23%	21.7%	75%
SAU800293	ECO204585	24%	30.9%	55.1%
SAU800293	LMO101645	26%	46.9%	48.8%
SAU800293	NME102132	41%	22.8%	4.8%
SAU800293	SAU800293	100%	100%	100%
SAU800293	SEP201736	72%	27.2%	97.7%
SAU800304	CPN200460	29%	54.5%	36.0%
SAU800304	CTR100067	25%	59.1%	10.5%
SAU800304	CDP102359	30%	49.2%	44.4%
SAU800304	LMO101154	25%	94.7%	94.7%
SAU800304	SAU800304	100%	100%	100%
SAU800304	SEP201470	44%	94.7%	91.9%
SAU800305	ABA104491	20%	84.3%	82.8%
SAU800305	BAN107562	26%	89.1%	96.9%
SAU800305	BAN109607	31%	89.1%	86.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800305	CDF101129	25%	81.0%	78.4%
SAU800305	CDP101732	29%	93.1%	96.6%
SAU800305	EFA202014	32%	92.0%	95.1%
SAU800305	ECO100879	27%	88.3%	90.5%
SAU800305	KPN301831	29%	88.3%	90.5%
SAU800305	LMO100297	33%	90.5%	94.0%
SAU800305	MAV102148	19%	88.3%	79.6%
SAU800305	SPA100790	27%	88.3%	90.5%
SAU800305	STY102906	28%	88.3%	90.5%
SAU800305	SAU800305	100%	100%	100%
SAU800305	TPA100147	22%	53.6%	77.7%
SAU800306	BAN105396	32%	42.8%	93.9%
SAU800306	BAN108451	37%	48.3%	90.9%
SAU800306	BAN104682	33%	75.9%	76.3%
SAU800306	BAN111826	36%	94.9%	99.3%
SAU800306	BAN110648	36%	96.3%	95.7%
SAU800306	BAN101686	37%	95.2%	94.1%
SAU800306	BAN102943	39%	94.9%	92.9%
SAU800306	BAN111315	41%	93.8%	94.5%
SAU800306	BAN106066	43%	97.0%	94.2%
SAU800306	CPN100816	29%	84.1%	99.7%
SAU800306	CTR200831	31%	86.2%	93.9%
SAU800306	CDP100585	37%	96.6%	95.2%
SAU800306	EBC101909	34%	97.0%	95.7%
SAU800306	ECO100393	34%	97.0%	95.7%
SAU800306	HIN100217	34%	98.4%	98.6%
SAU800306	KPN304909	34%	97.0%	95.7%
SAU800306	MAV102959	26%	24.8%	24.5%
SAU800306	PRT101268	33%	97.5%	95.1%
SAU800306	PAE111475	32%	98.9%	97.9%
SAU800306	PSY105025	32%	99.1%	97.1%
SAU800306	SPA101111	34%	97.0%	98.4%
SAU800306	STY100358	34%	97.0%	95.7%
SAU800306	STM100030	34%	97.0%	95.7%
SAU800306	SAU800306	100%	100%	100%
SAU800306	YPS002598	34%	98.6%	97.3%
SAU800312	CBO101529	57%	98.7%	99.0%
SAU800312	ECO102124	58%	97.4%	96.2%
SAU800312	LMO102136	64%	98.7%	100%
SAU800312	MAV102083	31%	19.5%	9.2%
SAU800312	SAU800312	100%	100%	100%
SAU800316	BAN105252	30%	98.6%	96.3%
SAU800316	BAN110511	30%	99.0%	96.2%
SAU800316	CDF102875	32%	99.0%	96.6%
SAU800316	CDP102797	28%	97.9%	95.2%
SAU800316	EFM101648	28%	85.3%	99.2%
SAU800316	KPN306186	25%	99.7%	94.9%
SAU800316	LMO102782	30%	99.0%	93.7%
SAU800316	MBV103969	26%	87.1%	80.8%
SAU800316	MLP100628	27%	87.1%	66.0%
SAU800316	MTU202665	26%	87.1%	80.8%
SAU800316	STM106921	29%	99.0%	95.6%
SAU800316	SAU800316	100%	100%	100%
SAU800316	SHA102513	60%	99.7%	99.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800316	SMU101182	24%	99.0%	95.6%
SAU800316	SPN401518	33%	95.5%	91.2%
SAU800316	SPY200188	34%	90.9%	83.0%
SAU800317	BAN102972	21%	90.2%	92.5%
SAU800317	BAN110476	23%	93.2%	92.0%
SAU800317	BFR12282	23%	36.1%	47.6%
SAU800317	BFU112683	29%	68.0%	59.9%
SAU800317	CPN200223	27%	46.6%	37.7%
SAU800317	CTR200669	23%	61.7%	50.3%
SAU800317	CDF101700	30%	95.9%	94.3%
SAU800317	EFA201145	26%	94.7%	93.4%
SAU800317	EFM200491	28%	59.4%	84.4%
SAU800317	EFM201355	27%	89.1%	87.9%
SAU800317	ECO103983	21%	91.7%	84.7%
SAU800317	HPY100844	21%	49.6%	81.2%
SAU800317	KPN303958	27%	86.8%	82.2%
SAU800317	LMO102737	29%	99.2%	98.9%
SAU800317	PMU101714	26%	94.7%	93.1%
SAU800317	PRT104743	28%	87.2%	83.1%
SAU800317	SPA103454	27%	88.7%	91.9%
SAU800317	STY103692	27%	91.4%	87.7%
SAU800317	SAU800317	100%	100%	100%
SAU800317	SHA102514	62%	100%	99.3%
SAU800317	SPN401517	25%	87.6%	83.0%
SAU800317	SPY200189	23%	87.2%	85.1%
SAU800317	YPS000704	28%	91.4%	87.7%
SAU800319	BAN107818	43%	95.2%	98.6%
SAU800319	BAN111398	50%	96.3%	95.0%
SAU800319	CDF101739	25%	28.6%	28.9%
SAU800319	EFM202389	20%	36.6%	29.9%
SAU800319	ECO104218	22%	29.1%	100%
SAU800319	STY104427	23%	29.1%	100%
SAU800319	SAU800319	100%	100%	100%
SAU800319	TPA100874	28%	25.9%	31.8%
SAU800320	ABA100458	27%	28.1%	42.9%
SAU800320	BCE102274	27%	28.7%	39.0%
SAU800320	CJU100372	27%	23.0%	51.4%
SAU800320	EBC101629	27%	12.4%	58.3%
SAU800320	KPN109847	27%	8.0%	64.5%
SAU800320	PRT100002	25%	23.2%	55.4%
SAU800320	STM101419	19%	26.0%	59.5%
SAU800320	SAU800320	100%	100%	100%
SAU800320	SEP200085	43%	95.9%	98.7%
SAU800320	SEP201313	44%	97.7%	100%
SAU800322	ABA101390	28%	81.7%	89.1%
SAU800322	MCA102847	29%	82.7%	44.3%
SAU800322	MAV101742	24%	81.2%	85.9%
SAU800322	PRT105900	28%	87.0%	50%
SAU800322	SAU800322	100%	100%	100%
SAU800322	SHA101400	73%	99.2%	100%
SAU800322	SPY200933	56%	98.7%	98.7%
SAU800322	YPS001892	28%	82.7%	47.1%
SAU800323	BAN101807	34%	99.4%	99.4%
SAU800323	BAN104655	36%	99.7%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800323	BFU101224	35%	99.7%	97.3%
SAU800323	EBC102047	31%	99.4%	99.1%
SAU800323	EFA200166	34%	87.7%	88.1%
SAU800323	EFM201597	31%	35.1%	32.1%
SAU800323	KPN306260	32%	99.1%	96.4%
SAU800323	LMO101467	30%	98.8%	96.7%
SAU800323	MBV103301	33%	23.4%	21.1%
SAU800323	MTU203566	26%	50.8%	45.8%
SAU800323	SAU800323	100%	100%	100%
SAU800323	SEP202024	35%	98.5%	100%
SAU800323	SHA101401	57%	98.8%	99.1%
SAU800323	SPY200932	42%	99.7%	99.4%
SAU800324	EFM200400	32%	58.2%	75.3%
SAU800324	SAU800324	100%	100%	100%
SAU800324	SHA101402	74%	99.1%	96.5%
SAU800324	SPY200931	60%	100%	100%
SAU800325	BCE104123	39%	64.3%	91.4%
SAU800325	BFU108796	40%	64.3%	87.4%
SAU800325	BMA108179	41%	64.3%	86.2%
SAU800325	CBO100447	36%	67.7%	95.6%
SAU800325	CDF100524	40%	91.7%	90.2%
SAU800325	CDF102828	40%	91.7%	90.2%
SAU800325	CDP102191	30%	50.8%	52.8%
SAU800325	EBC100310	37%	46.2%	94.5%
SAU800325	ECO101018	38%	67.7%	97.2%
SAU800325	KPN300929	40%	63.9%	92.6%
SAU800325	LMO101460	37%	66.9%	97.7%
SAU800325	MBV104961	26%	65.0%	91.8%
SAU800325	MTU201866	26%	67.3%	49.0%
SAU800325	PAE203691	39%	65.0%	93.1%
SAU800325	SPA101879	38%	65.8%	95.4%
SAU800325	STY102451	38%	66.9%	91.4%
SAU800325	STM102273	38%	66.9%	95.0%
SAU800325	SAU800325	100%	100%	100%
SAU800325	SHA101403	67%	96.6%	97.4%
SAU800325	SMU100880	52%	20.7%	88.5%
SAU800325	SPY200930	47%	88.3%	88.5%
SAU800329	BFR104541	22%	42.2%	43.2%
SAU800329	BFU101821	27%	26.6%	34.2%
SAU800329	CJU100192	23%	21.4%	17.7%
SAU800329	CBO101651	46%	87.5%	95.8%
SAU800329	CDF103467	42%	93.1%	99.3%
SAU800329	CDP101502	46%	97.8%	87.5%
SAU800329	EBC103032	60%	93.1%	89.7%
SAU800329	EFA202094	53%	99.3%	98.7%
SAU800329	EFM202208	51%	99.1%	98.0%
SAU800329	ECO104083	28%	84.2%	79.1%
SAU800329	KPN300829	54%	92.6%	99.8%
SAU800329	LMO101576	39%	94.9%	100%
SAU800329	MPN100347	26%	85.9%	65.6%
SAU800329	PMU100764	27%	83.9%	61.1%
SAU800329	PRT101595	59%	91.5%	97.8%
SAU800329	PAE201072	22%	41.3%	49.5%
SAU800329	SPA102151	59%	93.1%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800329	STY100986	57%	98.2%	95.9%
SAU800329	STM103582	27%	84.2%	80.5%
SAU800329	SAU800329	100%	100%	100%
SAU800329	SMU101548	27%	95.3%	74.4%
SAU800329	SPN401935	55%	98.9%	98.9%
SAU800329	SPY201500	47%	83.9%	92.0%
SAU800329	VCH102979	27%	83.5%	64.8%
SAU800329	YPS002467	58%	91.5%	97.8%
SAU800331	CBO103205	29%	95.2%	20.2%
SAU800331	CBO101804	34%	89.8%	91.7%
SAU800331	CDP101500	31%	95.9%	53.0%
SAU800331	EBC103030	38%	91.8%	92.5%
SAU800331	EFM101075	42%	74.1%	16.0%
SAU800331	EFM101390	39%	89.1%	100%
SAU800331	ECO102869	35%	95.2%	95.2%
SAU800331	KPN302210	27%	91.2%	87.7%
SAU800331	MPN100348	30%	79.6%	74.2%
SAU800331	PMU100765	27%	94.6%	92.9%
SAU800331	PRT101596	37%	96.6%	97.3%
SAU800331	SPA102150	38%	93.9%	94.6%
SAU800331	STY100988	38%	93.9%	94.6%
SAU800331	STM103598	29%	90.5%	87.7%
SAU800331	SAU800331	100%	100%	100%
SAU800331	SMU101550	26%	86.4%	78.9%
SAU800331	SPY103087	47%	95.9%	47.9%
SAU800331	VCH102978	32%	83.0%	72.6%
SAU800331	YPS000504	35%	96.6%	97.3%
SAU800332	BAN107904	23%	73.4%	76.7%
SAU800332	BAN107563	25%	73.4%	75.1%
SAU800332	CBO101804	28%	20.1%	87.6%
SAU800332	CBO103205	27%	96.0%	97.0%
SAU800332	CDF102314	27%	80.8%	85.0%
SAU800332	EBC102873	19%	73.0%	74.2%
SAU800332	EFM101032	23%	74.8%	74.3%
SAU800332	KPN303781	21%	91.4%	90.9%
SAU800332	LPN102667	45%	7.1%	83.6%
SAU800332	LPN102202	29%	17.1%	64.9%
SAU800332	SPA101630	21%	73.0%	78.4%
SAU800332	STY103901	21%	73.0%	72.0%
SAU800332	STM104079	21%	73.0%	74.3%
SAU800332	SAU800332	100%	100%	100%
SAU800332	SMU101095	24%	97.1%	98.8%
SAU800332	SPN201210	21%	82.5%	98.4%
SAU800332	TPA100019	26%	10.6%	9.3%
SAU800335	BAN100193	41%	50.7%	80.2%
SAU800335	BAN101506	38%	84.2%	100%
SAU800335	EFA202413	46%	84.2%	88.4%
SAU800335	HPY200316	25%	40.8%	55.4%
SAU800335	LMO100245	48%	87.5%	89.4%
SAU800335	SAU800335	100%	100%	100%
SAU800335	SEP202194	43%	84.2%	77.6%
SAU800335	SHA102099	49%	90.1%	88.8%
SAU800344	ABA102358	24%	61.5%	66.3%
SAU800344	BFR11444	20%	43.7%	50.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800344	BCE100967	23%	39.4%	37.7%
SAU800344	BFU103253	40%	98.9%	90.6%
SAU800344	BMA106672	23%	48.2%	38.2%
SAU800344	CDP100265	35%	94.6%	88.9%
SAU800344	EBC101731	37%	94.6%	85.9%
SAU800344	ECO100993	35%	96.2%	88.2%
SAU800344	KPN300306	37%	27.2%	89.0%
SAU800344	KPN306611	36%	96.2%	87.4%
SAU800344	LMO102378	39%	97.0%	86.0%
SAU800344	MCA101190	50%	91.1%	100%
SAU800344	MAV102154	44%	78.4%	97.7%
SAU800344	MBV101906	21%	56.1%	60.4%
SAU800344	MTU200793	21%	56.1%	57.9%
SAU800344	NGO101923	34%	94.9%	87.2%
SAU800344	NME200265	34%	94.9%	87.2%
SAU800344	PMU100455	23%	29.9%	35.8%
SAU800344	PRT102104	33%	92.7%	84.8%
SAU800344	PSY102854	33%	95.4%	84.3%
SAU800344	SPA100238	25%	37.5%	45.1%
SAU800344	STY101514	25%	37.5%	46.5%
SAU800344	SAU800344	100%	100%	100%
SAU800344	SHA101900	76%	100%	90.9%
SAU800344	SPN401178	48%	91.1%	99.4%
SAU800344	VCH102112	22%	43.7%	51.3%
SAU800344	YPS001606	35%	97.0%	86.4%
SAU800345	ABA102759	23%	31.0%	74.6%
SAU800345	BAN111991	31%	16.1%	73.4%
SAU800345	BPT104464	24%	42.4%	93.6%
SAU800345	BCE111047	22%	42.4%	93.6%
SAU800345	BFU113717	23%	42.4%	93.2%
SAU800345	CJU101563	25%	93.3%	80.0%
SAU800345	EBC100769	25%	27.0%	57.4%
SAU800345	ECO201335	24%	27.0%	57.0%
SAU800345	KPN306701	23%	35.2%	73.2%
SAU800345	LMO100238	27%	70.9%	84.6%
SAU800345	MAV107152	23%	33.3%	59.4%
SAU800345	NGO101920	22%	35.2%	72.7%
SAU800345	NME200263	22%	35.2%	72.4%
SAU800345	PMU100453	23%	81.3%	74.1%
SAU800345	PRT104094	22%	34.9%	72.7%
SAU800345	PAE205243	26%	54.6%	50.6%
SAU800345	PPU109970	25%	59.2%	53.0%
SAU800345	PSY101259	26%	56.9%	52.4%
SAU800345	SAU800345	100%	100%	100%
SAU800345	SHA101901	65%	99.3%	97.9%
SAU800345	SPN401177	25%	34.9%	97.9%
SAU800345	TPA100962	27%	43.3%	56.2%
SAU800345	YPS002530	25%	61.1%	57.1%
SAU800354	ABA101034	40%	99.0%	99.5%
SAU800354	ABA103857	42%	99.0%	99.2%
SAU800354	BAN111220	43%	98.5%	99.5%
SAU800354	BAN104879	46%	99.0%	99.2%
SAU800354	BPT102386	45%	98.7%	98.5%
SAU800354	BBU100109	45%	98.0%	98.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800354	BCE104851	56%	99.5%	94.2%
SAU800354	BCE111166	56%	99.5%	88.1%
SAU800354	BFU101491	54%	99.5%	99.2%
SAU800354	BMA108260	54%	99.5%	99.7%
SAU800354	CAC101158	56%	99.5%	99.7%
SAU800354	CBO100684	55%	99.7%	98.7%
SAU800354	CDF104168	58%	99.5%	100%
SAU800354	EBC102878	52%	99.5%	100%
SAU800354	EFA202399	49%	99.5%	47.9%
SAU800354	EFM201919	49%	99.0%	47.2%
SAU800354	ECO102781	52%	99.5%	99.2%
SAU800354	HIN100751	55%	99.5%	99.7%
SAU800354	HPY100681	50%	99.5%	99.7%
SAU800354	KPN302864	52%	99.5%	99.7%
SAU800354	LPN102261	45%	98.2%	98.0%
SAU800354	LMO100288	51%	99.5%	99.7%
SAU800354	MCA100366	43%	98.7%	97.7%
SAU800354	MAV103545	45%	99.0%	99.2%
SAU800354	MBV100409	45%	94.4%	98.9%
SAU800354	MLP100720	46%	99.0%	99.2%
SAU800354	MTU201306	44%	98.0%	99.2%
SAU800354	PRT105123	42%	99.5%	99.7%
SAU800354	PAE201999	55%	99.5%	99.7%
SAU800354	PPU108509	56%	99.5%	100%
SAU800354	PSY105147	55%	99.5%	100%
SAU800354	SPA103450	49%	99.5%	99.5%
SAU800354	STY104079	52%	99.5%	99.7%
SAU800354	SAU800354	100%	100%	100%
SAU800354	SEP201328	72%	100%	99.7%
SAU800354	SHA101317	47%	99.5%	99.5%
SAU800354	SPY200101	58%	98.7%	99.0%
SAU800354	SPY201260	57%	99.0%	99.0%
SAU800354	VCH103412	46%	99.0%	99.3%
SAU800357	ABA104279	24%	51.5%	28.7%
SAU800357	BAN103195	39%	94.8%	96.4%
SAU800357	BAN103240	45%	99.5%	99.7%
SAU800357	BFR10553	27%	45.4%	34.0%
SAU800357	BPT100797	23%	51.5%	59.7%
SAU800357	BCE114553	27%	45.7%	89.9%
SAU800357	BFU115450	25%	45.7%	88.9%
SAU800357	BMA100720	26%	45.7%	88.9%
SAU800357	CJU101127	20%	36.2%	74.5%
SAU800357	CAC102924	30%	95.4%	96.5%
SAU800357	CBO103513	32%	46.7%	36.0%
SAU800357	CDF100988	29%	47.6%	38.1%
SAU800357	CDP101169	29%	45.5%	25.2%
SAU800357	EBC103834	24%	46.8%	26.6%
SAU800357	ECO103913	24%	60.4%	34.0%
SAU800357	HIN101413	21%	37.5%	72.9%
SAU800357	KPN306198	25%	46.8%	26.6%
SAU800357	LMO102309	44%	97.4%	97.6%
SAU800357	MAV101054	25%	51.5%	27.9%
SAU800357	MBV101993	30%	46.5%	25.7%
SAU800357	MLP100812	31%	45.8%	25.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800357	MTU202090	30%	46.5%	25.7%
SAU800357	NGO101306	20%	43.6%	86.3%
SAU800357	NME201051	21%	17.1%	36.3%
SAU800357	PRT102439	25%	48.9%	27.5%
SAU800357	PAE201842	22%	45.7%	25.9%
SAU800357	PPU111491	24%	59.2%	33.2%
SAU800357	PSY102515	25%	52.2%	28.9%
SAU800357	SPA101525	27%	25.6%	15.3%
SAU800357	STY101886	24%	46.8%	26.6%
SAU800357	STM102124	24%	46.8%	26.0%
SAU800357	SAU800357	100%	100%	100%
SAU800357	SEP201333	82%	100%	100%
SAU800357	SHA102223	80%	99.8%	99.8%
SAU800357	SMU100823	48%	99.0%	98.5%
SAU800357	SPN400515	21%	37.8%	77.1%
SAU800357	SPY101914	25%	23.7%	94.3%
SAU800357	VCH100385	24%	46.5%	26.4%
SAU800357	YPS000400	23%	45.8%	26.0%
SAU800359	BAN100591	32%	86.1%	88.7%
SAU800359	BAN100637	45%	98.6%	98.1%
SAU800359	HIN100085	49%	96.7%	93.7%
SAU800359	LMO100536	50%	94.3%	92.5%
SAU800359	PMU100995	51%	96.7%	96.7%
SAU800359	SPA103064	36%	93.2%	94.9%
SAU800359	SAU800359	100%	100%	100%
SAU800359	SEP201335	79%	99.7%	99.7%
SAU800359	SHA102221	78%	99.7%	94.1%
SAU800359	SMU100380	46%	97.3%	97.8%
SAU800359	SPN401376	46%	97.3%	97.8%
SAU800359	SPY101944	49%	55.6%	98.6%
SAU800361	ABA100318	24%	69.6%	66.9%
SAU800361	BAN110623	61%	15.0%	83.0%
SAU800361	BAN108902	36%	99.0%	97.6%
SAU800361	BFR100087	23%	87.7%	81.1%
SAU800361	BPT101346	23%	90.1%	88.0%
SAU800361	BBU100452	24%	85.0%	86.1%
SAU800361	BCE100234	28%	88.1%	68.9%
SAU800361	BFU108672	26%	91.5%	29.3%
SAU800361	BMA106812	25%	89.1%	89.1%
SAU800361	CJU100211	28%	67.6%	30.3%
SAU800361	CAC100165	35%	87.7%	86.8%
SAU800361	CBO103029	29%	90.8%	90.0%
SAU800361	CDF100127	25%	92.2%	87.7%
SAU800361	CDP101252	29%	75.8%	62.3%
SAU800361	EBC100646	29%	87.7%	66.0%
SAU800361	EFA201399	28%	87.4%	84.0%
SAU800361	ECO100784	30%	87.7%	32.1%
SAU800361	HIN100185	24%	67.6%	17.7%
SAU800361	HPY100411	27%	72.4%	36.4%
SAU800361	KPN306689	28%	87.7%	34.5%
SAU800361	LPN103483	25%	66.2%	25.3%
SAU800361	LMO100404	30%	98.0%	100%
SAU800361	MCA101166	28%	63.8%	33.1%
SAU800361	MAV104987	32%	88.7%	84.7%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800361	MBV105868	28%	85.7%	84.1%
SAU800361	MTU203064	28%	85.7%	84.1%
SAU800361	NGO101935	26%	66.6%	67.4%
SAU800361	NME200271	27%	66.6%	67.4%
SAU800361	PRT101308	24%	66.2%	64.3%
SAU800361	PAE205116	29%	88.7%	34.8%
SAU800361	PPU108041	31%	73.7%	29.9%
SAU800361	PSY102229	27%	96.6%	46.4%
SAU800361	SPA100728	29%	85.0%	90.1%
SAU800361	STY102372	29%	89.1%	34.6%
SAU800361	STM100940	28%	57.0%	46.9%
SAU800361	SAU800361	100%	100%	100%
SAU800361	SEP201337	81%	99.3%	100%
SAU800361	SHA102218	79%	99.0%	99.0%
SAU800361	SMU101383	30%	78.5%	80.4%
SAU800361	SPN401595	36%	63.8%	92.5%
SAU800361	SPY201460	33%	89.1%	92.5%
SAU800361	TPA100813	25%	91.1%	83.7%
SAU800361	VCH101723	32%	34.1%	32.5%
SAU800361	VCH100475	26%	71.0%	70.7%
SAU800361	YPS000193	25%	66.2%	63.7%
SAU800362	BAN100569	62%	91.0%	93.8%
SAU800362	BAN113404	62%	91.0%	93.8%
SAU800362	CAC102242	54%	95.5%	98.5%
SAU800362	CBO103935	61%	88.1%	90.8%
SAU800362	CDF100424	60%	79.1%	86.9%
SAU800362	EFA200740	61%	89.6%	98.4%
SAU800362	EFM200460	61%	82.1%	87.3%
SAU800362	LMO101128	66%	88.1%	86.8%
SAU800362	SAU800362	100%	100%	100%
SAU800362	SEP201338	78%	98.5%	98.5%
SAU800362	SHA102217	89%	98.5%	98.5%
SAU800362	SMU100029	41%	82.1%	98.4%
SAU800362	SPN400003	46%	82.1%	96.9%
SAU800362	SPY200003	48%	82.1%	95.4%
SAU800363	ABA101425	59%	100%	100%
SAU800363	BAN105317	70%	100%	100%
SAU800363	BAN111105	72%	100%	100%
SAU800363	BFR10923	57%	100%	100%
SAU800363	BPT100611	57%	100%	100%
SAU800363	BBU100234	49%	100%	100%
SAU800363	BCE101204	54%	72.1%	99.6%
SAU800363	BFU107336	57%	100%	100%
SAU800363	BMA107174	58%	100%	100%
SAU800363	BMA106380	59%	100%	100%
SAU800363	CJU100860	54%	100%	100%
SAU800363	CPN200430	50%	98.4%	98.4%
SAU800363	CTR200361	50%	98.4%	98.4%
SAU800363	CAC102519	59%	98.6%	99.2%
SAU800363	CBO101443	58%	98.6%	99.2%
SAU800363	CDF104197	57%	98.6%	99.2%
SAU800363	CDP100947	53%	99.2%	99.2%
SAU800363	EBC101805	56%	100%	100%
SAU800363	EFA200741	66%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800363	EFM201649	70%	100%	100%
SAU800363	ECO101176	56%	100%	100%
SAU800363	HIN100373	58%	100%	100%
SAU800363	HPY100562	50%	100%	100%
SAU800363	KPN303463	55%	100%	100%
SAU800363	LMO102508	73%	100%	100%
SAU800363	MCA100084	58%	100%	100%
SAU800363	MAV103275	50%	98.1%	100%
SAU800363	MBV104670	50%	100%	100%
SAU800363	MLP101176	49%	99.2%	99.4%
SAU800363	MTU201097	51%	100%	100%
SAU800363	MGE100024	46%	99.5%	99.5%
SAU800363	MPN100128	47%	95.1%	96.4%
SAU800363	NGO101754	58%	100%	100%
SAU800363	NME200574	59%	100%	100%
SAU800363	PMU100163	58%	100%	100%
SAU800363	PRT101359	57%	100%	100%
SAU800363	PAE204670	58%	100%	100%
SAU800363	PPU104095	58%	100%	100%
SAU800363	PSY102435	57%	100%	100%
SAU800363	SPA102146	55%	100%	100%
SAU800363	STY101686	55%	100%	100%
SAU800363	STM101482	55%	100%	100%
SAU800363	SAU800363	100%	100%	100%
SAU800363	SEP201339	94%	100%	100%
SAU800363	SHA102216	92%	100%	100%
SAU800363	SMU100030	67%	100%	100%
SAU800363	SPN400004	69%	100%	100%
SAU800363	SPY200004	67%	100%	100%
SAU800363	TPA100123	48%	100%	100%
SAU800363	UUR100602	56%	100%	99.5%
SAU800363	VCH102152	58%	100%	94.8%
SAU800363	YPS003231	56%	100%	100%
SAU800366	ABA105929	30%	99.4%	98.4%
SAU800366	BAN105418	57%	100%	100%
SAU800366	BAN102675	63%	100%	100%
SAU800366	BFR100085	32%	64.7%	70.7%
SAU800366	BFR10599	29%	99.4%	98.7%
SAU800366	BPT100946	32%	76.6%	67.6%
SAU800366	BBU100114	32%	59.9%	68.5%
SAU800366	BCE112892	30%	99.4%	98.4%
SAU800366	BFU103395	32%	99.4%	98.3%
SAU800366	BMA103994	35%	82.0%	69.1%
SAU800366	CJU100997	33%	92.8%	85.8%
SAU800366	CPN200363	26%	73.1%	77.5%
SAU800366	CTR200309	27%	74.3%	76.9%
SAU800366	CAC102955	47%	62.9%	96.4%
SAU800366	CAC103317	50%	61.7%	77.4%
SAU800366	CAC101327	43%	99.4%	100%
SAU800366	CBO103395	40%	62.9%	92.9%
SAU800366	CBO103707	43%	99.4%	100%
SAU800366	CDF104218	30%	69.5%	84.8%
SAU800366	CDF103030	39%	71.9%	84.0%
SAU800366	CDP100636	31%	97.6%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800366	CDP100782	32%	97.6%	96.4%
SAU800366	EBC104214	34%	99.4%	97.2%
SAU800366	EFA201268	48%	100%	100%
SAU800366	EFA200661	51%	100%	100%
SAU800366	EFA200122	43%	65.3%	69.0%
SAU800366	EFA201230	39%	79.0%	95.7%
SAU800366	EFA200024	52%	100%	100%
SAU800366	EFA200067	48%	100%	100%
SAU800366	EFM202042	51%	100%	100%
SAU800366	ECO103953	32%	99.4%	97.2%
SAU800366	HIN100237	35%	99.4%	98.2%
SAU800366	HPY101228	31%	100%	100%
SAU800366	KPN301041	33%	99.4%	96.9%
SAU800366	KPN308310	34%	99.4%	97.1%
SAU800366	LPN103463	31%	70.1%	84.3%
SAU800366	LMO100923	60%	100%	100%
SAU800366	LMO101733	59%	100%	100%
SAU800366	MCA100569	30%	93.4%	74.2%
SAU800366	MAV101548	36%	97.6%	96.4%
SAU800366	MBV106247	35%	97.6%	96.3%
SAU800366	MLP101584	34%	97.6%	96.4%
SAU800366	MTU200054	35%	97.6%	96.3%
SAU800366	MGE100093	25%	65.3%	65.6%
SAU800366	NGO100403	28%	99.4%	98.9%
SAU800366	NME201532	30%	99.4%	98.9%
SAU800366	PMU101950	32%	99.4%	98.2%
SAU800366	PRT100733	28%	99.4%	87.9%
SAU800366	PRT101487	32%	99.4%	97.1%
SAU800366	PAE204230	28%	99.4%	97.6%
SAU800366	PPU104550	29%	99.4%	97.8%
SAU800366	PSY105770	29%	99.4%	97.9%
SAU800366	STY102277	30%	99.4%	97.2%
SAU800366	STM102829	30%	99.4%	97.2%
SAU800366	SAU800366	100%	100%	100%
SAU800366	SEP201353	90%	100%	100%
SAU800366	SHA101079	88%	100%	100%
SAU800366	SMU101251	53%	100%	100%
SAU800366	SPN401394	50%	100%	100%
SAU800366	SPY201407	54%	100%	100%
SAU800366	TPA100061	35%	61.1%	58.0%
SAU800366	UUR100559	35%	92.2%	89.2%
SAU800366	VCH100392	32%	99.4%	97.2%
SAU800366	YPS002815	33%	99.4%	97.3%
SAU800367	ABA105585	55%	81.2%	86.7%
SAU800367	BAN110583	78%	97.5%	100%
SAU800367	BAN103323	78%	97.5%	100%
SAU800367	BFR100885	58%	85%	75.6%
SAU800367	BPT101387	60%	81.2%	72.2%
SAU800367	BBU100113	59%	83.8%	68.8%
SAU800367	BCE105745	62%	87.5%	76.9%
SAU800367	BFU105922	60%	87.5%	76.9%
SAU800367	BMA104982	62%	87.5%	76.9%
SAU800367	CJU100998	54%	85%	79.1%
SAU800367	CPN200890	55%	87.5%	85.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800367	CTR200180	55%	87.5%	86.4%
SAU800367	CAC102549	54%	88.8%	82.2%
SAU800367	CBO100272	56%	97.5%	100%
SAU800367	CDF103531	60%	82.5%	88%
SAU800367	CDP100127	50%	81.2%	79.3%
SAU800367	EBC103610	58%	87.5%	93.3%
SAU800367	EFA200660	76%	93.8%	94.9%
SAU800367	EFM100455	72%	92.5%	94.9%
SAU800367	ECO104092	58%	87.5%	93.3%
SAU800367	HIN100524	60%	87.5%	93.3%
SAU800367	HPY101227	50%	88.8%	83.5%
SAU800367	KPN300649	58%	87.5%	93.3%
SAU800367	LPN101987	56%	81.2%	86.7%
SAU800367	LMO102748	86%	100%	100%
SAU800367	MCA101348	70%	81.2%	86.7%
SAU800367	MAV101549	49%	88.8%	82.1%
SAU800367	MBV106246	49%	88.8%	82.1%
SAU800367	MLP101583	49%	88.8%	82.1%
SAU800367	MTU200055	49%	88.8%	82.1%
SAU800367	MGE100094	44%	92.5%	71.4%
SAU800367	MPN100601	48%	86.2%	67.3%
SAU800367	NGO100183	55%	87.5%	92.1%
SAU800367	NME201394	55%	87.5%	92.1%
SAU800367	PMU101178	58%	87.5%	93.3%
SAU800367	PRT102061	58%	87.5%	93.3%
SAU800367	PAE204929	64%	81.2%	85.5%
SAU800367	PPU106680	60%	81.2%	85.5%
SAU800367	PSY101038	60%	81.2%	85.5%
SAU800367	SPA102211	58%	87.5%	93.3%
SAU800367	STY103813	58%	87.5%	93.3%
SAU800367	STM103619	58%	87.5%	93.3%
SAU800367	SAU800367	100%	100%	100%
SAU800367	SEP201354	98%	100%	100%
SAU800367	SHA101080	97%	98.8%	98.8%
SAU800367	SMU101249	73%	92.5%	94.9%
SAU800367	SPN401393	73%	92.5%	94.9%
SAU800367	SPY201406	73%	92.5%	94.9%
SAU800367	TPA100060	58%	85%	67.7%
SAU800367	UUR100558	59%	90%	91.1%
SAU800367	VCH100363	61%	87.5%	93.3%
SAU800367	YPS002204	57%	87.5%	93.3%
SAU800381	ABA101855	66%	100%	100%
SAU800381	BAN104173	69%	100%	100%
SAU800381	BAN109661	71%	100%	100%
SAU800381	BFR103076	52%	98.9%	98.4%
SAU800381	BPT100672	27%	94.7%	100%
SAU800381	BCE101880	60%	100%	100%
SAU800381	BFU100212	27%	94.7%	100%
SAU800381	BMA108642	61%	55.0%	100%
SAU800381	CJU100303	32%	91.5%	88.4%
SAU800381	CPN201075	33%	95.8%	87.0%
SAU800381	CTR200881	31%	95.2%	92.3%
SAU800381	CDF101278	25%	80.4%	75.2%
SAU800381	CDP100348	32%	84.1%	77.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800381	EBC102622	54%	18.5%	76.7%
SAU800381	EBC101884	64%	100%	100%
SAU800381	EFA200823	49%	100%	100%
SAU800381	EFM201621	70%	100%	100%
SAU800381	ECO100595	64%	100%	100%
SAU800381	HPY101540	34%	80.4%	77.3%
SAU800381	KPN303362	65%	100%	100%
SAU800381	LPN101816	38%	77.8%	74.1%
SAU800381	LMO100436	30%	93.7%	97.2%
SAU800381	MCA100901	57%	99.5%	98.9%
SAU800381	MAV102705	33%	84.1%	78.5%
SAU800381	MBV104411	30%	85.7%	80%
SAU800381	MLP101237	31%	84.1%	78.5%
SAU800381	MTU202392	30%	85.7%	80%
SAU800381	PMU100795	33%	99.5%	95.5%
SAU800381	PRT101090	64%	100%	100%
SAU800381	PAE200139	54%	100%	100%
SAU800381	PPU110126	61%	100%	100%
SAU800381	PSY108771	63%	100%	100%
SAU800381	SPA103041	65%	100%	100%
SAU800381	STY101396	65%	100%	100%
SAU800381	STM101128	65%	100%	100%
SAU800381	SAU800381	100%	100%	100%
SAU800381	SEP201361	89%	100%	100%
SAU800381	SHA101943	89%	100%	100%
SAU800381	SMU100048	68%	100%	100%
SAU800381	SPY201587	72%	100%	100%
SAU800381	TPA100505	50%	99.5%	98.9%
SAU800381	VCH100718	35%	92.6%	86.0%
SAU800381	YPS002559	34%	99.5%	95.5%
SAU800385	BAN110051	23%	74.8%	89.6%
SAU800385	SAU800385	100%	100%	100%
SAU800385	SEP201365	54%	100%	100%
SAU800385	SHA101939	68%	64.2%	90.4%
SAU800391	ABA102375	54%	98.8%	98.5%
SAU800391	BAN110434	65%	97.7%	100%
SAU800391	BAN108119	74%	98.2%	100%
SAU800391	BFR102934	51%	98.8%	99.8%
SAU800391	BPT100393	50%	98.2%	99.2%
SAU800391	BCE109939	50%	80.9%	95.3%
SAU800391	BFU101706	50%	98.2%	99.2%
SAU800391	BMA101765	49%	98.2%	99.3%
SAU800391	CJU101173	53%	98.2%	99.0%
SAU800391	CPN200587	50%	17.0%	1.2%
SAU800391	CTR200435	47%	98.2%	99.4%
SAU800391	CAC100661	62%	99.0%	99.8%
SAU800391	CBO101640	62%	98.8%	99.6%
SAU800391	CDF101488	59%	99.0%	99.8%
SAU800391	CDP100097	50%	99.8%	97.0%
SAU800391	EBC101429	51%	98.2%	98.3%
SAU800391	EFA202372	74%	98.6%	98.1%
SAU800391	EFM201769	72%	92.6%	99.6%
SAU800391	EFM201384	73%	98.6%	98.1%
SAU800391	ECO102458	51%	98.2%	98.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800391	HIN100213	53%	98.2%	98.5%
SAU800391	HPY100405	52%	98.4%	100%
SAU800391	KPN307676	51%	81.5%	98.6%
SAU800391	LPN102408	49%	98.2%	98.5%
SAU800391	LMO101666	75%	99.0%	98.3%
SAU800391	MCA101385	54%	98.8%	99.0%
SAU800391	MAV100005	51%	98.2%	97.0%
SAU800391	MBV100875	50%	98.2%	100%
SAU800391	MLP100255	48%	98.2%	97.0%
SAU800391	MTU203350	50%	98.2%	97.0%
SAU800391	NGO101384	53%	98.8%	99.6%
SAU800391	NME200495	53%	98.8%	99.6%
SAU800391	PMU100293	53%	98.2%	98.5%
SAU800391	PRT100492	51%	98.2%	96.3%
SAU800391	PAE203766	52%	98.2%	98.3%
SAU800391	PPU112124	51%	98.2%	98.3%
SAU800391	PSY101574	50%	98.2%	98.3%
SAU800391	SPA101779	50%	81.5%	98.6%
SAU800391	STY101683	51%	98.2%	98.3%
SAU800391	SAU800391	100%	100%	100%
SAU800391	SEP201376	95%	100%	99.6%
SAU800391	SHA101225	94%	100%	100%
SAU800391	SMU100269	69%	99.2%	95.9%
SAU800391	SPN401299	70%	99.2%	98.5%
SAU800391	SPY200919	68%	100%	99.4%
SAU800391	VCH100755	52%	98.2%	98.3%
SAU800391	YPS003193	50%	98.2%	98.3%
SAU800422	BFU106271	44%	15.0%	11.4%
SAU800422	SAU800428	34%	99.6%	99.6%
SAU800422	SAU800427	36%	100%	100%
SAU800422	SAU800423	33%	100%	99.1%
SAU800422	SAU800424	40%	1.3%	36.2%
SAU800422	SAU801167	29%	78.8%	76.3%
SAU800422	SAU800429	37%	100%	100%
SAU800422	SAU800426	37%	98.7%	97.8%
SAU800422	SAU800425	42%	97.8%	97.9%
SAU800422	SAU800433	45%	99.6%	100%
SAU800422	SAU800422	100%	100%	100%
SAU800424	BMA104162	27%	30.3%	64%
SAU800424	SAU800425	38%	37.1%	3.4%
SAU800424	SAU800427	39%	57.3%	89.2%
SAU800424	SAU800426	37%	35.1%	0.9%
SAU800424	SAU800428	39%	39.6%	6.9%
SAU800424	SAU800429	34%	32.0%	8.4%
SAU800424	SAU800422	40%	36.2%	1.3%
SAU800424	SAU800433	41%	27.8%	8.4%
SAU800424	SAU800423	42%	28.4%	7.4%
SAU800424	SAU800424	100%	100%	100%
SAU800424	SPY103617	30%	28.9%	41.5%
SAU800431	BFR11892	34%	42.9%	75.9%
SAU800431	BFR10375	25%	97.7%	97.7%
SAU800431	BCE102742	30%	33.4%	49.3%
SAU800431	BFU103170	29%	96.7%	98.8%
SAU800431	CJU101462	28%	98.3%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800431	CAC100937	22%	34.7%	35.4%
SAU800431	CBO103378	25%	68.1%	74.8%
SAU800431	CDF101426	21%	61.6%	49.7%
SAU800431	CDF103132	23%	39.0%	16.4%
SAU800431	CDP101424	28%	96.3%	94.0%
SAU800431	EBC104005	30%	62.5%	54.7%
SAU800431	EFA102283	48%	95.4%	94.5%
SAU800431	EFM201652	39%	20.5%	86.6%
SAU800431	EFM201984	49%	95.4%	94.5%
SAU800431	ECO104238	25%	89.4%	83.2%
SAU800431	HIN101255	31%	64.7%	78.6%
SAU800431	HPY100837	41%	97.1%	96.6%
SAU800431	KPN300684	25%	25.3%	51.6%
SAU800431	MCA101426	28%	96.7%	97.4%
SAU800431	MAV103592	26%	47.7%	51.3%
SAU800431	MBV103538	26%	95.2%	95.4%
SAU800431	MTU202719	26%	95.2%	93.0%
SAU800431	MPN100494	38%	96.7%	97.6%
SAU800431	NGO100938	40%	97.7%	99.0%
SAU800431	NME200960	40%	97.3%	98.6%
SAU800431	PMU101537	26%	98.3%	98.6%
SAU800431	PRT102780	35%	94.2%	56.9%
SAU800431	PAE202733	30%	53.9%	41.7%
SAU800431	PPU108596	26%	63.7%	69.3%
SAU800431	PSY104041	27%	96.7%	89.6%
SAU800431	SPA101737	25%	67.2%	95.1%
SAU800431	SAU800431	100%	100%	100%
SAU800431	SAU801808	99%	100%	100%
SAU800431	SEP200633	75%	100%	100%
SAU800431	SMU100858	43%	97.9%	98.7%
SAU800431	SPN400790	27%	66.6%	70.8%
SAU800431	SPY201469	47%	97.3%	96.6%
SAU800431	UUR100097	42%	64.3%	99.4%
SAU800431	VCH101740	29%	52.1%	39.3%
SAU800434	BFU105225	26%	15.8%	38.9%
SAU800434	CDF103349	23%	37.4%	42.8%
SAU800434	EFA202579	22%	25.7%	64.5%
SAU800434	SAU800434	100%	100%	100%
SAU800444	CAC101599	34%	27.7%	17.7%
SAU800444	SAU800444	100%	100%	100%
SAU800444	SEP200083	59%	95.4%	99.6%
SAU800444	SEP200593	61%	88.8%	97.1%
SAU800444	SEP200598	61%	87.7%	97.4%
SAU800444	SEP200597	63%	99.6%	99.2%
SAU800444	SEP200589	61%	99.6%	98.8%
SAU800444	SEP200591	68%	88.1%	97.0%
SAU800444	SEP200552	64%	99.6%	98.9%
SAU800444	SEP200616	62%	99.6%	99.6%
SAU800444	SEP200553	65%	98.8%	98.8%
SAU800452	BAN107958	56%	59.3%	97.0%
SAU800452	EFM100733	72%	13.2%	95.6%
SAU800452	LPN100911	40%	54.0%	54.0%
SAU800452	SAU800452	100%	100%	100%
SAU800452	SEP201389	60%	99.8%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800452	SHA101930	61%	100%	100%
SAU800452	VCH101557	27%	92.7%	90.5%
SAU800453	ABA105190	21%	18.2%	91.5%
SAU800453	BAN108085	57%	5.8%	67.5%
SAU800453	BAN107079	31%	66.0%	95.4%
SAU800453	BAN113237	45%	99.3%	97.3%
SAU800453	LPN100228	41%	8.8%	0.8%
SAU800453	SAU800453	100%	100%	100%
SAU800453	SEP201396	54%	76.1%	96.4%
SAU800453	SHA101932	53%	99.7%	99.2%
SAU800453	VCH101558	31%	15.0%	7.8%
SAU800456	ABA102927	33%	64.3%	69.7%
SAU800456	BFU110052	25%	57.1%	18.6%
SAU800456	CBO103870	29%	70.1%	88%
SAU800456	CDF100442	26%	62.1%	53.3%
SAU800456	HPY100838	30%	89.7%	87.7%
SAU800456	KPN301721	31%	35.7%	36.4%
SAU800456	LMO100275	31%	92.4%	89.2%
SAU800456	PRT105300	22%	56.2%	75.1%
SAU800456	SAU800456	100%	100%	100%
SAU800456	SEP201402	42%	94.2%	91.0%
SAU800456	SHA103066	48%	96.4%	90.4%
SAU800463	ABA101573	63%	96.3%	91.3%
SAU800463	BAN105490	50%	94.1%	93.7%
SAU800463	BAN111994	54%	94.1%	92.8%
SAU800463	BPT103178	54%	93.2%	94.0%
SAU800463	BCE112661	51%	92.7%	95.3%
SAU800463	BFU102065	52%	92.7%	89.0%
SAU800463	BMA106456	51%	92.7%	95.3%
SAU800463	CJU100712	48%	91.8%	66.3%
SAU800463	CPN200472	32%	95.4%	94.6%
SAU800463	CAC101527	51%	98.6%	99.1%
SAU800463	CBO100787	53%	92.2%	94.8%
SAU800463	CDF100530	53%	90.4%	90.8%
SAU800463	CDP100111	46%	94.1%	91.6%
SAU800463	EBC102541	50%	94.1%	94.9%
SAU800463	EFA203652	47%	93.6%	90.7%
SAU800463	EFM202483	46%	94.5%	91.6%
SAU800463	ECO100198	50%	95.0%	95.9%
SAU800463	HPY101554	46%	96.8%	98.1%
SAU800463	KPN300143	69%	73.5%	100%
SAU800463	KPN306822	67%	95.4%	94.1%
SAU800463	LPN101477	53%	93.2%	94.0%
SAU800463	LMO100259	53%	95.0%	94.5%
SAU800463	MCA103062	46%	91.8%	87.8%
SAU800463	NGO101323	44%	93.6%	89.9%
SAU800463	NME200470	45%	93.6%	89.9%
SAU800463	PMU101729	52%	92.2%	88.6%
SAU800463	PRT100130	50%	93.2%	94.0%
SAU800463	PSY103687	45%	95.4%	92.1%
SAU800463	SPA101019	49%	93.2%	93.2%
SAU800463	STY103994	50%	94.1%	97.2%
SAU800463	STM100618	49%	93.2%	93.2%
SAU800463	SAU800463	100%	100%	100%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800463	SEP201771	86%	100%	100%
SAU800463	TPA100118	40%	93.6%	93.6%
SAU800463	VCH100890	51%	95.4%	92.9%
SAU800463	YPS002016	49%	94.1%	94.9%
SAU800467	ABA102842	27%	81.7%	79.7%
SAU800467	BAN108590	33%	42.7%	51.9%
SAU800467	BAN111498	30%	84.7%	79.7%
SAU800467	BCE103899	30%	67.9%	68.0%
SAU800467	BFU116206	27%	80.9%	51.1%
SAU800467	CDF102548	31%	54.2%	46.8%
SAU800467	EFA203967	29%	85.5%	78.5%
SAU800467	EFM200585	28%	74.0%	35.5%
SAU800467	LPN101940	25%	86.3%	69.9%
SAU800467	LMO100796	26%	69.5%	73.3%
SAU800467	MAV104770	27%	90.8%	78.7%
SAU800467	MBV104110	30%	80.2%	33.6%
SAU800467	MTU203156	30%	80.2%	31.9%
SAU800467	PAE203468	37%	52.7%	44.7%
SAU800467	PPU103432	31%	78.6%	73.0%
SAU800467	PSY105195	30%	70.2%	76.7%
SAU800467	SAU800467	100%	100%	100%
SAU800467	SEP201776	63%	95.4%	97.7%
SAU800467	SHA102842	68%	95.4%	96.9%
SAU800467	SMU100141	41%	38.9%	35.7%
SAU800467	SPN300686	37%	42.7%	37.7%
SAU800467	SPY201162	50%	33.6%	28.5%
SAU800472	ABA100013	40%	3.9%	86.8%
SAU800472	ABA104125	41%	95.8%	97.3%
SAU800472	BAN101583	36%	4.3%	81.8%
SAU800472	BAN104217	27%	78.0%	98.8%
SAU800472	BAN108345	30%	91.9%	93.2%
SAU800472	BPT102078	44%	96.8%	74.2%
SAU800472	BCE113920	44%	97.5%	74.5%
SAU800472	BFU100199	57%	21.7%	99.7%
SAU800472	BMA104976	44%	97.5%	98.6%
SAU800472	CJU100007	47%	98.3%	98.7%
SAU800472	CAC101843	45%	97.1%	98.7%
SAU800472	EBC102948	42%	96.5%	97.6%
SAU800472	ECO103142	41%	96.5%	96.4%
SAU800472	KPN301995	41%	96.5%	98.4%
SAU800472	LMO100872	49%	98.5%	98.6%
SAU800472	MAV104920	45%	98.3%	99.4%
SAU800472	MBV101946	45%	98.3%	99.3%
SAU800472	MLP100042	45%	97.3%	98.4%
SAU800472	MTU203804	45%	98.3%	99.4%
SAU800472	NME301326	30%	6.1%	6.2%
SAU800472	NME300542	30%	6.1%	6.8%
SAU800472	PRT105261	41%	95.7%	97.6%
SAU800472	PAE205031	41%	95.7%	97.9%
SAU800472	PPU102045	40%	94.9%	97.9%
SAU800472	PSY103729	40%	95.7%	97.9%
SAU800472	SPA102415	35%	60.4%	100%
SAU800472	STY101531	41%	96.5%	98.4%
SAU800472	STM101808	41%	96.5%	98.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800472	SAU800472	100%	100%	100%
SAU800472	SEP201790	78%	62.2%	100%
SAU800472	SHA102040	75%	100%	99.8%
SAU800472	SMU100695	44%	96.6%	95.9%
SAU800472	VCH102338	45%	97.1%	97.5%
SAU800472	YPS002267	42%	96.5%	95.2%
SAU800473	ABA100945	32%	92.0%	91.8%
SAU800473	BFR11247	29%	93.0%	57.2%
SAU800473	BMA109760	42%	98.8%	94.9%
SAU800473	CJU100009	43%	99.0%	99.8%
SAU800473	CAC101795	44%	98.8%	98.3%
SAU800473	CBO102837	29%	92.6%	94.1%
SAU800473	CBO101098	28%	92.2%	91.9%
SAU800473	CDF102919	28%	92.8%	93.5%
SAU800473	EBC105166	32%	92.0%	92.4%
SAU800473	EFA201646	28%	92.6%	92.2%
SAU800473	ECO102823	31%	94.3%	69.6%
SAU800473	ECO102419	33%	92.6%	66.8%
SAU800473	KPN306735	33%	94.9%	68.3%
SAU800473	LMO100374	49%	98.8%	98.6%
SAU800473	MAV104921	42%	98.8%	93.7%
SAU800473	MBV101949	42%	98.8%	96.3%
SAU800473	MLP100043	42%	98.8%	96.3%
SAU800473	MTU203803	42%	98.8%	96.3%
SAU800473	PRT105231	34%	92.6%	92.9%
SAU800473	PAE205030	31%	92.0%	90.8%
SAU800473	PPU102730	30%	94.9%	94.7%
SAU800473	PSY103728	31%	94.9%	94.7%
SAU800473	SPA100761	33%	92.0%	94.8%
SAU800473	STY101535	33%	92.0%	92.4%
SAU800473	STM101814	33%	92.0%	92.4%
SAU800473	SAU800473	100%	100%	100%
SAU800473	SEP201791	81%	100%	100%
SAU800473	SHA103074	78%	100%	100%
SAU800473	SMU101812	44%	98.6%	98.5%
SAU800473	TPA100727	28%	92.6%	84.4%
SAU800473	VCH102339	41%	98.8%	96.5%
SAU800473	YPS003815	32%	92.0%	92.4%
SAU800476	BAN103601	35%	97.1%	98.7%
SAU800476	BAN108409	36%	96.7%	99.1%
SAU800476	BPT101634	28%	57.0%	47.4%
SAU800476	CBO103128	34%	97.9%	99.6%
SAU800476	CDF101594	30%	98.8%	99.6%
SAU800476	EFA201525	41%	97.1%	98.3%
SAU800476	ECO204375	21%	96.7%	92.8%
SAU800476	LMO102324	40%	99.2%	100%
SAU800476	MBV104498	35%	23.1%	23.3%
SAU800476	MTU200583	35%	23.1%	23.3%
SAU800476	PPU107953	21%	77.7%	60.7%
SAU800476	SPA103556	24%	71.5%	69.6%
SAU800476	STY104116	24%	71.5%	69.6%
SAU800476	SAU800476	100%	100%	100%
SAU800476	SEP202279	53%	16.9%	100%
SAU800476	SHA102044	65%	97.1%	97.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800476	SMU100634	35%	97.1%	98.3%
SAU800476	SPN401698	33%	97.5%	99.2%
SAU800476	SPY201604	36%	97.9%	99.2%
SAU800476	YPS002288	24%	93.8%	83.0%
SAU800478	ABA103427	35%	68.8%	55.8%
SAU800478	BAN105404	37%	99.3%	99.6%
SAU800478	BAN112023	45%	99.3%	99.6%
SAU800478	BFR11479	43%	61.4%	58.5%
SAU800478	BPT102081	45%	46.0%	34.9%
SAU800478	BBU100460	41%	59.5%	61.6%
SAU800478	BCE106024	45%	46.0%	53.7%
SAU800478	BFU105306	45%	46.0%	44.5%
SAU800478	BMA107161	45%	46.0%	31.5%
SAU800478	CJU101082	38%	52.9%	58.3%
SAU800478	CPN200723	38%	71.0%	93.2%
SAU800478	CTR200603	36%	71.5%	89.9%
SAU800478	CAC103441	35%	99.8%	100%
SAU800478	CBO102854	35%	99.8%	99.4%
SAU800478	CDF100130	35%	94.9%	94.9%
SAU800478	EBC103996	44%	52.7%	46.4%
SAU800478	EFA200326	42%	99.8%	100%
SAU800478	EFM202154	62%	51.2%	98.6%
SAU800478	ECO100461	45%	50.6%	44.5%
SAU800478	HIN101201	44%	50.3%	41.3%
SAU800478	HPY100707	35%	61.6%	58.0%
SAU800478	KPN303900	46%	50.4%	44.9%
SAU800478	LPN103565	31%	26.2%	49.8%
SAU800478	LMO101248	45%	99.6%	100%
SAU800478	MCA102344	44%	46.2%	34.9%
SAU800478	MAV103129	36%	67.6%	60.8%
SAU800478	MBV105819	36%	67.6%	71.4%
SAU800478	MLP101393	32%	83.2%	79.5%
SAU800478	MTU203667	33%	84.1%	81.0%
SAU800478	MGE100430	50%	39.1%	85%
SAU800478	MPN100224	43%	48.1%	39.9%
SAU800478	NGO100173	48%	47.3%	37.8%
SAU800478	NME201516	33%	79.5%	62.6%
SAU800478	PMU100364	45%	50.4%	39.9%
SAU800478	PRT105815	50%	37.5%	100%
SAU800478	PAE201531	42%	50.6%	42.0%
SAU800478	PPU104995	44%	50.6%	41.4%
SAU800478	PSY101776	43%	50.6%	38.9%
SAU800478	SPA100619	40%	31.7%	34.5%
SAU800478	STY100818	44%	52.7%	46.4%
SAU800478	STM100530	44%	52.7%	46.4%
SAU800478	SAU800478	100%	100%	100%
SAU800478	SEP201796	80%	100%	100%
SAU800478	SHA102047	77%	100%	100%
SAU800478	SMU101072	39%	95.9%	96.1%
SAU800478	SPN400769	42%	93.6%	94.7%
SAU800478	SPY201046	39%	96.6%	97.3%
SAU800478	TPA100995	38%	61.4%	62.4%
SAU800478	UUR100085	41%	61.2%	59.0%
SAU800478	VCH101035	43%	50.4%	41.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800478	YPS001746	40%	65.3%	58.1%
SAU800479	ABA104382	37%	93.3%	92.7%
SAU800479	BAN112149	65%	99.0%	96.3%
SAU800479	BPT102093	39%	94.3%	90.7%
SAU800479	BCE114721	42%	94.3%	90.7%
SAU800479	BFU105302	41%	94.3%	89.1%
SAU800479	BMA109392	40%	94.3%	90.7%
SAU800479	CJU101548	28%	72.4%	68.9%
SAU800479	CPN200724	28%	80%	87.5%
SAU800479	CTR200604	32%	86.7%	95.8%
SAU800479	CAC100626	52%	98.1%	92.0%
SAU800479	CBO103837	45%	98.1%	91.2%
SAU800479	CDF100131	51%	100%	83.3%
SAU800479	CDP101573	36%	91.4%	90.6%
SAU800479	EBC103997	38%	96.2%	90.9%
SAU800479	EFA200328	52%	95.2%	96.2%
SAU800479	ECO100462	37%	98.1%	93.6%
SAU800479	HIN100422	36%	98.1%	84.3%
SAU800479	HPY100034	29%	78.1%	82.5%
SAU800479	KPN303902	37%	96.2%	90.9%
SAU800479	LPN101264	41%	93.3%	86.6%
SAU800479	LMO102215	62%	100%	100%
SAU800479	MCA103545	38%	93.3%	91.8%
SAU800479	MAV103140	43%	95.2%	86.2%
SAU800479	MBV105826	44%	89.5%	70.7%
SAU800479	MLP101388	43%	95.2%	86.2%
SAU800479	MTU203662	44%	89.5%	70.7%
SAU800479	MGE100136	25%	92.4%	92%
SAU800479	MPN100560	25%	81.0%	86%
SAU800479	NGO100157	41%	95.2%	91.9%
SAU800479	NME201517	42%	95.2%	91.9%
SAU800479	PMU100205	36%	98.1%	93.6%
SAU800479	PRT100118	36%	98.1%	93.6%
SAU800479	PAE201532	37%	94.3%	90.7%
SAU800479	PPU107254	41%	92.4%	93.4%
SAU800479	PSY100559	36%	94.3%	90.7%
SAU800479	SPA100620	38%	98.1%	93.6%
SAU800479	STY100819	37%	98.1%	93.6%
SAU800479	STM100531	37%	98.1%	93.6%
SAU800479	SAU800479	100%	100%	100%
SAU800479	SEP201798	95%	100%	100%
SAU800479	SHA102048	100%	100%	100%
SAU800479	SMU100730	43%	84.8%	89.9%
SAU800479	SPN401010	42%	84.8%	89.9%
SAU800479	SPY201431	44%	84.8%	89.9%
SAU800479	UUR100086	35%	74.3%	77.8%
SAU800479	VCH101036	40%	98.1%	85%
SAU800479	YPS001743	38%	98.1%	93.6%
SAU800480	ABA105799	50%	19.2%	92.7%
SAU800480	ABA105949	42%	99.0%	99.0%
SAU800480	BAN110697	71%	91.4%	93.8%
SAU800480	BAN100529	76%	96.5%	100%
SAU800480	BAN109015	76%	100%	100%
SAU800480	BFR102681	44%	85.9%	96.0%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800480	BPT102097	37%	97.0%	95.0%
SAU800480	BCE111406	40%	100%	100%
SAU800480	BFU101488	40%	100%	100%
SAU800480	BMA100948	40%	97.0%	96%
SAU800480	CJU101188	33%	98.0%	97.4%
SAU800480	CPN200453	34%	97.5%	97%
SAU800480	CTR200504	34%	98.5%	96.6%
SAU800480	CAC101114	56%	99.0%	98.5%
SAU800480	CBO102612	58%	99.0%	97.0%
SAU800480	CDF100132	63%	99.0%	97.0%
SAU800480	CDP101575	44%	96.0%	96.8%
SAU800480	EBC103998	42%	95.5%	94.5%
SAU800480	EFA200786	70%	100%	100%
SAU800480	EFM201740	70%	54.0%	100%
SAU800480	ECO100463	41%	95.5%	94.5%
SAU800480	HIN100423	40%	97.0%	96.5%
SAU800480	HPY100909	29%	93.9%	91.7%
SAU800480	KPN303904	43%	90.4%	94.2%
SAU800480	LPN100920	37%	96.5%	97.0%
SAU800480	LMO102835	77%	100%	100%
SAU800480	MCA100147	38%	97.0%	97.0%
SAU800480	MAV103147	46%	97.5%	97.5%
SAU800480	MBV105746	47%	96.0%	96.1%
SAU800480	MLP101387	48%	97.5%	97.5%
SAU800480	MTU203661	47%	96.0%	96.1%
SAU800480	NGO100223	36%	96.5%	92.7%
SAU800480	NME201284	38%	93.9%	90.7%
SAU800480	PMU100206	41%	97.0%	96.5%
SAU800480	PRT104654	43%	96.5%	97.5%
SAU800480	PAE201533	42%	98.5%	98.0%
SAU800480	PPU104991	41%	98.5%	97.5%
SAU800480	PSY101795	41%	98.5%	97.5%
SAU800480	SPA100621	41%	93.9%	93.0%
SAU800480	STY100840	43%	95.5%	94.5%
SAU800480	STM100532	43%	95.5%	94.5%
SAU800480	SAU800480	100%	100%	100%
SAU800480	SEP201800	96%	100%	100%
SAU800480	SHA102049	96%	100%	100%
SAU800480	SMU100733	64%	100%	100%
SAU800480	SPN401515	64%	100%	100%
SAU800480	SPY201089	64%	100%	100%
SAU800480	TPA100994	41%	95.5%	94.0%
SAU800480	UUR100087	29%	100%	99.0%
SAU800480	VCH101037	41%	97.0%	96.5%
SAU800480	YPS001740	43%	94.9%	96.0%
SAU800482	ABA102118	38%	94.1%	98.0%
SAU800482	BAN106730	46%	95.1%	97.1%
SAU800482	BAN100256	52%	95.1%	95.7%
SAU800482	BPT101183	37%	91.2%	89.4%
SAU800482	BBU100792	26%	97.6%	75.5%
SAU800482	BCE110353	36%	91.2%	92.2%
SAU800482	BFU101498	38%	91.2%	92.2%
SAU800482	BMA102521	36%	91.2%	92.2%
SAU800482	CJU100705	25%	97.6%	99.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800482	CPN200479	30%	92.2%	93.7%
SAU800482	CTR200453	34%	92.2%	94.6%
SAU800482	CBO100215	20%	97.1%	93.6%
SAU800482	CDF101052	25%	80.5%	74.8%
SAU800482	CDP100920	26%	94.6%	98.0%
SAU800482	EBC100870	34%	99.0%	97.7%
SAU800482	EFA200788	50%	96.1%	95.3%
SAU800482	EFM200811	52%	84.9%	96.8%
SAU800482	ECO101071	32%	99.5%	98.1%
SAU800482	HIN100436	36%	92.7%	91.4%
SAU800482	HPY101453	31%	71.2%	70.7%
SAU800482	KPN301299	33%	98.0%	96.7%
SAU800482	LPN103622	33%	97.1%	94.8%
SAU800482	LMO100015	48%	97.1%	97.6%
SAU800482	MCA100671	38%	91.2%	92.7%
SAU800482	MAV101386	28%	66.8%	70%
SAU800482	MBV104527	30%	66.8%	68.7%
SAU800482	MLP100468	26%	80.5%	81.4%
SAU800482	MTU203204	30%	66.8%	68.7%
SAU800482	MGE100006	36%	73.7%	72.4%
SAU800482	MPN100148	37%	73.2%	71.9%
SAU800482	NGO100912	35%	91.2%	91.3%
SAU800482	NME200804	35%	91.2%	91.3%
SAU800482	PMU101673	34%	97.1%	82.7%
SAU800482	PRT105498	32%	98.0%	95.3%
SAU800482	PAE202960	37%	98.5%	97.1%
SAU800482	PPU104809	41%	49.8%	86.1%
SAU800482	PSY101689	38%	97.6%	96.2%
SAU800482	SPA100839	34%	96.1%	99.5%
SAU800482	STY102536	34%	99.0%	97.7%
SAU800482	STM102726	34%	99.0%	97.7%
SAU800482	SAU800482	100%	100%	100%
SAU800482	SEP201815	71%	99.0%	100%
SAU800482	SHA101456	72%	99.0%	100%
SAU800482	SMU100347	48%	92.7%	92.0%
SAU800482	SPN400835	49%	92.7%	91.5%
SAU800482	SPY200289	44%	96.6%	96.2%
SAU800482	TPA100350	34%	81.5%	77.9%
SAU800482	UUR100018	27%	98.0%	89.7%
SAU800482	VCH101986	32%	98.5%	96.7%
SAU800482	YPS003149	37%	98.0%	96.2%
SAU800489	ABA100849	39%	96.4%	98.9%
SAU800489	BAN100826	47%	98.2%	94.2%
SAU800489	BAN109279	47%	98.2%	94.2%
SAU800489	BFR10157	40%	79.9%	98.7%
SAU800489	BPT103018	40%	79.9%	60.5%
SAU800489	BBU100426	37%	80.3%	85.2%
SAU800489	BCE106082	43%	80.6%	76.6%
SAU800489	BFU100679	36%	48.0%	58.2%
SAU800489	BMA107830	41%	79.2%	75.3%
SAU800489	CJU100143	37%	80.6%	83.6%
SAU800489	CPN200367	31%	74.6%	92.0%
SAU800489	CTR200313	38%	36.6%	43.0%
SAU800489	CAC103360	42%	96.4%	95.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800489	CBO103359	41%	96.4%	95.1%
SAU800489	CDF101056	45%	96.4%	96.4%
SAU800489	CDP100164	36%	79.6%	75.9%
SAU800489	EBC103879	46%	81.0%	79.1%
SAU800489	EFA200796	44%	98.6%	94.8%
SAU800489	EFM201504	46%	98.6%	94.5%
SAU800489	ECO103078	44%	96.4%	92.7%
SAU800489	HIN101619	41%	96.8%	94.7%
SAU800489	HPY100545	34%	79.9%	83.6%
SAU800489	KPN302070	47%	81.0%	79.1%
SAU800489	LMO101796	47%	98.6%	94.5%
SAU800489	MCA102246	42%	96.8%	95.3%
SAU800489	MAV101484	33%	81.4%	81.7%
SAU800489	MBV100023	32%	96.8%	76.6%
SAU800489	MLP100137	33%	79.2%	78.6%
SAU800489	MTU200992	32%	96.8%	93.0%
SAU800489	MGE100058	32%	99.3%	99.3%
SAU800489	MPN100084	32%	99.3%	99.3%
SAU800489	NGO100957	36%	92.8%	87.6%
SAU800489	NME200318	35%	92.8%	87.6%
SAU800489	PMU100645	43%	96.8%	95.0%
SAU800489	PRT104969	41%	97.1%	91.8%
SAU800489	PAE204420	43%	79.9%	79.4%
SAU800489	PPU111744	45%	81.0%	77.2%
SAU800489	PSY103860	35%	25.8%	55.3%
SAU800489	SPA103913	43%	96.4%	92.3%
SAU800489	STY100962	42%	96.4%	92.3%
SAU800489	SAU800489	100%	100%	100%
SAU800489	SEP201822	69%	99.6%	99.6%
SAU800489	SHA100908	68%	100%	99.6%
SAU800489	SMU101225	43%	98.6%	94.4%
SAU800489	SPN400838	45%	97.8%	92.7%
SAU800489	SPY200293	44%	98.6%	94.8%
SAU800489	TPA100965	32%	80.6%	99.6%
SAU800489	UUR100195	35%	97.5%	95.3%
SAU800489	VCH100572	45%	96.8%	92.7%
SAU800489	YPS002234	40%	97.1%	89.6%
SAU800490	ABA100276	24%	98.3%	98.3%
SAU800490	BAN108536	52%	99.5%	99.7%
SAU800490	BAN106673	65%	99.5%	97.9%
SAU800490	BFR102747	27%	98.9%	98.7%
SAU800490	BPT101447	26%	98.0%	97.3%
SAU800490	BBU100586	24%	96.5%	88.4%
SAU800490	BCE102027	25%	71.2%	89.4%
SAU800490	BFU100073	26%	58.3%	88.4%
SAU800490	BMA108903	25%	73.2%	91.8%
SAU800490	CJU100777	40%	98.9%	99.5%
SAU800490	CPN200639	28%	67.4%	84.6%
SAU800490	CTR200296	29%	68.0%	85.1%
SAU800490	CAC100973	51%	99.7%	99.5%
SAU800490	CBO102771	51%	100%	95.7%
SAU800490	CDF101033	50%	100%	100%
SAU800490	CDP100167	29%	79.8%	93.1%
SAU800490	EBC101813	26%	96.2%	95.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800490	EFA202274	58%	99.5%	98.2%
SAU800490	EFM201416	59%	99.5%	99.4%
SAU800490	ECO102073	27%	97.7%	97.3%
SAU800490	HIN101245	28%	98.9%	98.7%
SAU800490	HPY100413	40%	97.1%	97.4%
SAU800490	KPN304492	27%	96.2%	95.4%
SAU800490	LPN100787	26%	98.0%	98.1%
SAU800490	LMO100235	64%	99.7%	99.4%
SAU800490	MCA102320	26%	98.8%	98.7%
SAU800490	MAV104609	61%	4.7%	44.9%
SAU800490	MAV106118	40%	79.5%	98.8%
SAU800490	MBV100570	41%	78.5%	97.5%
SAU800490	MLP100169	39%	78.5%	94.6%
SAU800490	MTU200996	41%	78.5%	97.5%
SAU800490	MGE100021	35%	78.7%	99.2%
SAU800490	MPN100131	36%	78.7%	99.2%
SAU800490	NGO101883	25%	98.3%	98.5%
SAU800490	NME200259	26%	98.3%	98.5%
SAU800490	PMU100303	27%	98.9%	98.7%
SAU800490	PRT101803	28%	98.9%	98.7%
SAU800490	PAE203480	24%	98.9%	98.8%
SAU800490	PPU101569	24%	98.9%	98.8%
SAU800490	PSY100792	26%	98.9%	98.8%
SAU800490	SPA103088	26%	73.1%	87.1%
SAU800490	STY104199	27%	96.2%	95.9%
SAU800490	STM103952	27%	96.2%	95.9%
SAU800490	SAU800490	100%	100%	100%
SAU800490	SEP201823	89%	100%	100%
SAU800490	SHA100909	90%	100%	100%
SAU800490	SMU101170	57%	99.5%	99.4%
SAU800490	SPN400696	56%	99.8%	97.8%
SAU800490	SPY200301	54%	99.8%	99.8%
SAU800490	TPA100790	25%	98.0%	91.6%
SAU800490	UUR100197	42%	80.2%	99.8%
SAU800490	VCH101017	29%	96.2%	89.6%
SAU800490	YPS002325	27%	98.9%	98.7%
SAU800491	ABA100892	35%	98.1%	98.4%
SAU800491	BAN104972	63%	99.2%	100%
SAU800491	BAN107227	67%	99.2%	99.6%
SAU800491	BFR10051	38%	99.2%	99.2%
SAU800491	BPT101189	46%	98.8%	97.3%
SAU800491	BBU100193	31%	93.4%	88.5%
SAU800491	BCE103375	40%	99.2%	99.2%
SAU800491	BFU101514	38%	99.2%	97.7%
SAU800491	BMA109910	39%	99.2%	95.5%
SAU800491	CJU100605	36%	98.1%	94.1%
SAU800491	CPN201066	32%	96.1%	96.6%
SAU800491	CTR200872	38%	97.3%	97.3%
SAU800491	CAC102492	40%	99.2%	100%
SAU800491	CBO103547	41%	99.2%	93.4%
SAU800491	CDF101036	46%	99.2%	99.6%
SAU800491	CDP100170	28%	99.6%	92.3%
SAU800491	EBC103303	32%	99.2%	99.6%
SAU800491	EFA202270	50%	99.6%	99.6%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800491	EFM202632	51%	99.6%	98.8%
SAU800491	ECO101073	37%	99.6%	96.6%
SAU800491	HIN100434	42%	98.8%	98.1%
SAU800491	HPY101550	36%	98.8%	99.2%
SAU800491	KPN301297	36%	99.2%	97.3%
SAU800491	LPN103035	39%	99.2%	95.6%
SAU800491	LMO102830	62%	99.2%	99.2%
SAU800491	MCA101167	33%	98.8%	96.3%
SAU800491	MAV103983	43%	32.3%	95.4%
SAU800491	MAV105506	34%	98.8%	92.3%
SAU800491	MBV100571	34%	98.8%	98.1%
SAU800491	MLP100170	34%	99.6%	99.6%
SAU800491	MTU200997	33%	98.8%	98.1%
SAU800491	MGE100009	32%	97.3%	97.7%
SAU800491	MPN100145	31%	97.3%	98.1%
SAU800491	NGO100069	38%	98.1%	95.8%
SAU800491	NME200905	38%	98.1%	95.8%
SAU800491	PMU101675	38%	99.2%	98.5%
SAU800491	PRT101376	38%	98.8%	97.3%
SAU800491	PAE202957	39%	99.2%	99.2%
SAU800491	PPU107366	38%	99.2%	96.6%
SAU800491	PSY101683	39%	99.2%	98.1%
SAU800491	SPA100837	35%	94.9%	92.8%
SAU800491	STY102538	35%	99.6%	96.6%
SAU800491	STM102728	36%	99.6%	96.6%
SAU800491	SAU800491	100%	100%	100%
SAU800491	SEP201824	85%	99.6%	100%
SAU800491	SHA100910	85%	99.2%	100%
SAU800491	SMU100668	46%	98.8%	84.6%
SAU800491	SPN401803	47%	100%	99.6%
SAU800491	SPY200190	44%	99.2%	92.7%
SAU800491	TPA100969	31%	98.8%	98.4%
SAU800491	UUR100015	32%	98.4%	96.6%
SAU800491	VCH101984	42%	98.4%	99.2%
SAU800491	YPS003163	37%	99.6%	95.2%
SAU800492	BAN104923	36%	97.8%	95.1%
SAU800492	BAN102132	46%	97.8%	94.6%
SAU800492	BBU100625	32%	97.8%	93.9%
SAU800492	BCE105663	35%	31.5%	16.1%
SAU800492	CAC101872	42%	97.2%	93.0%
SAU800492	CBO101116	43%	98.3%	96.1%
SAU800492	CDF101044	43%	97.8%	98.3%
SAU800492	EFA202268	50%	98.3%	92.3%
SAU800492	EFM201126	51%	98.9%	94.7%
SAU800492	LMO102330	50%	97.8%	92.1%
SAU800492	MGE100059	29%	98.9%	96.6%
SAU800492	MPN100083	30%	98.9%	96.6%
SAU800492	SAU800492	100%	100%	100%
SAU800492	SEP201825	80%	100%	98.3%
SAU800492	SHA100911	86%	94.4%	100%
SAU800492	SMU100669	48%	98.9%	95.3%
SAU800492	SPN401802	48%	98.3%	96.8%
SAU800492	SPY200191	48%	98.9%	95.8%
SAU800492	UUR100194	34%	97.8%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800493	ABA100682	33%	90.5%	94.4%
SAU800493	BAN107465	48%	93.2%	96.5%
SAU800493	BAN113646	58%	94.9%	96.2%
SAU800493	BFR104367	29%	85.5%	93.7%
SAU800493	BPT102402	29%	88.2%	92.1%
SAU800493	BBU100589	30%	91.2%	88.6%
SAU800493	BCE108053	33%	87.2%	90.5%
SAU800493	BFU111016	31%	88.2%	91.0%
SAU800493	BMA101986	29%	88.2%	91.6%
SAU800493	CJU101615	30%	90.2%	95.1%
SAU800493	CPN200776	34%	94.9%	97.5%
SAU800493	CTR200623	32%	90.2%	92.4%
SAU800493	CAC101811	42%	93.2%	97.1%
SAU800493	CBO102499	45%	92.2%	95.3%
SAU800493	CDF101046	48%	94.3%	95.2%
SAU800493	CDP100176	36%	93.2%	92.9%
SAU800493	EBC103152	35%	88.2%	91.2%
SAU800493	EFA202266	55%	96.3%	96.6%
SAU800493	EFM201598	57%	86.5%	98.5%
SAU800493	ECO100051	34%	88.2%	91.2%
SAU800493	HIN100528	35%	89.5%	89.9%
SAU800493	HPY101410	28%	88.2%	95.9%
SAU800493	KPN303919	35%	87.2%	90.1%
SAU800493	LPN100965	36%	40.2%	99.1%
SAU800493	LPN101283	38%	52.4%	94.9%
SAU800493	LMO100407	54%	95.3%	95.9%
SAU800493	MCA100787	36%	88.2%	90.5%
SAU800493	MAV104612	40%	30.1%	45.4%
SAU800493	MAV105510	36%	85.5%	90.3%
SAU800493	MBV100573	37%	94.3%	87.1%
SAU800493	MLP100172	36%	88.2%	84.3%
SAU800493	MTU200999	37%	94.3%	87.1%
SAU800493	MGE100472	28%	90.9%	97.3%
SAU800493	MPN100163	27%	90.9%	95.8%
SAU800493	NGO101054	35%	88.2%	94.2%
SAU800493	NME200834	35%	88.2%	94.2%
SAU800493	PMU101209	34%	89.5%	89.6%
SAU800493	PRT101236	34%	88.2%	91.5%
SAU800493	PAE200591	34%	89.9%	94.4%
SAU800493	PPU100621	31%	91.6%	96.6%
SAU800493	PSY103410	31%	91.2%	95.9%
SAU800493	SPA103696	34%	88.2%	91.2%
SAU800493	STY101223	34%	88.2%	91.2%
SAU800493	SAU800493	100%	100%	100%
SAU800493	SEP201826	85%	97.6%	97.6%
SAU800493	SHA100888	85%	77.0%	97.4%
SAU800493	SMU100672	51%	94.3%	95.9%
SAU800493	SPN401797	52%	95.9%	97.9%
SAU800493	SPY200192	51%	95.9%	97.9%
SAU800493	TPA100333	30%	90.9%	91.9%
SAU800493	UUR100608	33%	87.5%	98.1%
SAU800493	VCH100438	34%	89.5%	89.4%
SAU800493	YPS000855	35%	88.2%	91.5%
SAU800499	ABA101082	43%	100%	98.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800499	BAN107008	57%	40.9%	93.9%
SAU800499	BAN100973	40%	96.2%	95.0%
SAU800499	BAN103777	57%	99.1%	97.2%
SAU800499	BFR105147	22%	37.3%	58.0%
SAU800499	BFR10527	25%	38.7%	67.2%
SAU800499	BPT102045	41%	99.3%	98.5%
SAU800499	BCE100457	41%	98.4%	97.6%
SAU800499	BFU103184	41%	98.4%	97.6%
SAU800499	BMA102057	42%	98.4%	78.1%
SAU800499	CJU100760	38%	100%	99.1%
SAU800499	CPN201105	28%	30.7%	82.4%
SAU800499	CTR200906	32%	18.7%	59.6%
SAU800499	CAC101806	48%	99.6%	98.2%
SAU800499	CBO102572	49%	98.7%	97.2%
SAU800499	CDF104126	53%	99.6%	97.4%
SAU800499	CDP100856	42%	98.4%	93.0%
SAU800499	EBC104247	42%	98.9%	97.1%
SAU800499	EFA200171	56%	99.6%	97.8%
SAU800499	EFM201841	53%	99.6%	99.1%
SAU800499	ECO103651	43%	98.9%	97.1%
SAU800499	HIN100623	43%	99.1%	97.4%
SAU800499	HPY100675	37%	98.9%	97.9%
SAU800499	KPN300897	41%	89.6%	98.0%
SAU800499	LPN103319	38%	88.9%	95.1%
SAU800499	LMO102429	54%	99.8%	98.2%
SAU800499	MCA100598	42%	100%	98.7%
SAU800499	MAV102216	40%	98.4%	92.0%
SAU800499	MBV105653	40%	98.4%	91.1%
SAU800499	MLP100180	39%	98.4%	91.7%
SAU800499	MTU201007	40%	98.4%	91.1%
SAU800499	NGO101927	43%	99.3%	94.3%
SAU800499	NME200267	41%	98.4%	96.5%
SAU800499	PMU101806	42%	98.9%	96.7%
SAU800499	PRT104690	42%	99.6%	97.6%
SAU800499	PAE205547	44%	100%	98.7%
SAU800499	PPU110920	45%	88.9%	98.0%
SAU800499	PSY103456	45%	98.9%	97.4%
SAU800499	SPA106948	48%	23.8%	83.6%
SAU800499	STY103862	43%	98.9%	97.1%
SAU800499	STM103592	25%	37.8%	43.4%
SAU800499	SAU800499	100%	100%	100%
SAU800499	SEP201832	76%	100%	99.8%
SAU800499	SHA100894	74%	99.8%	100%
SAU800499	SMU101164	49%	100%	96.6%
SAU800499	SPN400891	48%	99.6%	93.5%
SAU800499	SPY200317	47%	100%	97.8%
SAU800499	VCH102723	42%	100%	98.9%
SAU800499	YPS003547	43%	98.9%	97.1%
SAU800503	ABA102546	34%	16.7%	100%
SAU800503	ABA101608	37%	92.3%	93.1%
SAU800503	BAN104617	35%	94.9%	94.8%
SAU800503	BAN104798	50%	97.2%	97.0%
SAU800503	BFR106066	34%	92.6%	91.9%
SAU800503	BPT100078	36%	91.4%	93.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800503	BBU100622	35%	95.8%	95.6%
SAU800503	BCE107511	36%	91.1%	90.8%
SAU800503	BFU101876	43%	59.6%	73.5%
SAU800503	BMA109410	36%	91.1%	90.0%
SAU800503	CJU101011	36%	16.2%	7.8%
SAU800503	CPN200958	40%	18.1%	14.1%
SAU800503	CTR200123	40%	17.7%	13.9%
SAU800503	CAC101838	42%	98.6%	98.5%
SAU800503	CBO103147	42%	93.3%	91.6%
SAU800503	CDF103177	43%	90.8%	93.3%
SAU800503	CDP100876	35%	93.6%	88.2%
SAU800503	EBC101582	36%	84.3%	96.1%
SAU800503	EFA201946	48%	96.3%	95.1%
SAU800503	EFM201703	48%	97.5%	97.6%
SAU800503	ECO101087	36%	92.0%	92.9%
SAU800503	HIN101230	35%	93.5%	94.9%
SAU800503	HPY101518	31%	86.1%	89.7%
SAU800503	KPN300307	59%	10.0%	82.4%
SAU800503	KPN302590	43%	13.5%	12.8%
SAU800503	LPN102055	38%	92.0%	92.5%
SAU800503	LMO101320	50%	97.3%	96.7%
SAU800503	MCA102969	43%	21.3%	23.3%
SAU800503	MAV105497	37%	92.3%	89.8%
SAU800503	MBV103326	36%	96.6%	92.9%
SAU800503	MLP100181	37%	89.0%	87.3%
SAU800503	MTU201009	36%	96.6%	92.9%
SAU800503	NGO101007	44%	13.6%	20.5%
SAU800503	NME201357	41%	12.8%	23.5%
SAU800503	PMU101041	35%	89.6%	90.6%
SAU800503	PRT100883	37%	92.0%	91.4%
SAU800503	PAE203000	46%	16.6%	16.1%
SAU800503	PPU100453	47%	17.6%	17.2%
SAU800503	PSY102964	47%	17.6%	17.7%
SAU800503	SPA102802	34%	90.6%	92.5%
SAU800503	STY102552	36%	92.0%	92.9%
SAU800503	SAU800503	100%	100%	100%
SAU800503	SEP201836	83%	99.8%	99.7%
SAU800503	SHA101206	86%	91.5%	100%
SAU800503	SMU100032	44%	92.6%	92.1%
SAU800503	SPN400006	44%	98.1%	97.6%
SAU800503	SPY200006	43%	95.9%	95.3%
SAU800503	TPA100340	36%	85.5%	86.1%
SAU800503	VCH101856	36%	91.1%	92.0%
SAU800503	YPS003221	35%	91.7%	92.9%
SAU800505	ABA104443	32%	28.5%	43.3%
SAU800505	BAN111975	31%	87.9%	71.8%
SAU800505	BAN108271	48%	88.9%	99.8%
SAU800505	BFR102176	33%	38.0%	61.4%
SAU800505	BMA101936	30%	21.7%	29.9%
SAU800505	CPN200348	27%	30.5%	93.8%
SAU800505	CTR200519	33%	25.7%	81.1%
SAU800505	CAC100550	38%	87.2%	70.8%
SAU800505	CBO103340	43%	88.4%	71.5%
SAU800505	CDF100076	37%	36.0%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800505	CDF102581	40%	87.9%	70.1%
SAU800505	CDP100886	30%	50.9%	95.2%
SAU800505	EBC102295	40%	28.5%	43.0%
SAU800505	EFM201761	21%	36.5%	30.5%
SAU800505	ECO102721	37%	31.2%	47.1%
SAU800505	HIN100440	38%	31.7%	47.5%
SAU800505	KPN305177	38%	28.5%	43.0%
SAU800505	MCA100862	42%	25.7%	38.4%
SAU800505	MAV105499	36%	25.4%	30.5%
SAU800505	MBV105650	38%	25.4%	31.4%
SAU800505	MTU201010	38%	25.4%	31.4%
SAU800505	PMU101285	33%	31.2%	46.6%
SAU800505	PRT101036	38%	28.5%	42.6%
SAU800505	PAE200934	33%	28.7%	45.7%
SAU800505	PPU107700	34%	24.9%	35.7%
SAU800505	PSY104526	40%	28.5%	94.2%
SAU800505	SPA102074	35%	30.5%	82.9%
SAU800505	STY103512	36%	31.2%	46.6%
SAU800505	SAU800505	100%	100%	100%
SAU800505	SEP201838	72%	100%	100%
SAU800505	SHA102554	70%	36.3%	100%
SAU800505	TPA100770	34%	25.2%	38.3%
SAU800505	VCH102414	38%	31.2%	44.6%
SAU800505	YPS000131	38%	24.2%	34.3%
SAU800506	ABA101313	32%	92.0%	55.5%
SAU800506	BAN106094	68%	97.7%	93.4%
SAU800506	BFR102864	32%	80.5%	51.5%
SAU800506	BCE102752	38%	56.3%	36.3%
SAU800506	BFU102630	29%	97.7%	61.9%
SAU800506	BMA103568	37%	51.7%	33.3%
SAU800506	CJU100622	36%	89.7%	97.5%
SAU800506	CAC100495	56%	90.8%	94.0%
SAU800506	CBO103120	46%	90.8%	100%
SAU800506	CDF102100	56%	92.0%	96.4%
SAU800506	EBC103854	38%	74.7%	48.9%
SAU800506	EFA201935	55%	98.9%	98.9%
SAU800506	EFM200589	60%	97.7%	95.5%
SAU800506	ECO103323	38%	74.7%	48.9%
SAU800506	HIN100541	33%	74.7%	49.6%
SAU800506	HPY101402	32%	80.5%	86.9%
SAU800506	KPN303170	34%	88.5%	58.6%
SAU800506	LMO100666	60%	100%	94.6%
SAU800506	MCA100618	31%	100%	69.2%
SAU800506	NGO103107	30%	88.5%	58.6%
SAU800506	NME201236	30%	88.5%	58.6%
SAU800506	PMU101546	34%	93.1%	58.6%
SAU800506	PRT105340	33%	69.0%	43.8%
SAU800506	PAE205190	32%	88.5%	59.5%
SAU800506	PPU109989	36%	100%	67.7%
SAU800506	PSY108373	37%	73.6%	47.4%
SAU800506	SPA102218	35%	88.5%	59.5%
SAU800506	STY101382	35%	88.5%	58.6%
SAU800506	STM102897	34%	88.5%	58.6%
SAU800506	SAU800506	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800506	SEP201839	75%	98.9%	98.9%
SAU800506	SMU100033	57%	97.7%	94.4%
SAU800506	SPN400007	61%	98.9%	97.7%
SAU800506	SPY200007	55%	96.6%	85.7%
SAU800506	VCH102696	30%	74.7%	51.2%
SAU800506	YPS001564	32%	92.0%	60%
SAU800509	ABA100310	21%	88.2%	88.1%
SAU800509	BAN106833	24%	89.3%	89.3%
SAU800509	BAN110448	25%	91.6%	87.0%
SAU800509	BFR105493	33%	37.1%	39.2%
SAU800509	BPT101422	24%	43.9%	64.0%
SAU800509	BBU100787	26%	75.9%	72.5%
SAU800509	BCE103292	27%	45.5%	41.0%
SAU800509	BFU100945	26%	43.6%	39.1%
SAU800509	BMA101020	24%	43.2%	40.6%
SAU800509	CJU101371	34%	41.8%	53.3%
SAU800509	CPN200842	29%	54.8%	72.4%
SAU800509	CTR200223	29%	55.2%	72.6%
SAU800509	CAC100355	27%	90.5%	88.5%
SAU800509	CBO100497	23%	90.5%	87.4%
SAU800509	CDF101023	26%	93.0%	90.7%
SAU800509	CDP100675	24%	44.1%	57.3%
SAU800509	EBC102557	29%	44.1%	72.7%
SAU800509	EFA201933	29%	93.5%	84.2%
SAU800509	EFM202069	26%	88.9%	92.8%
SAU800509	ECO100188	32%	94.2%	93.1%
SAU800509	HIN100384	23%	92.1%	93.7%
SAU800509	HPY100716	22%	79.4%	88.7%
SAU800509	KPN301915	30%	94.2%	92.0%
SAU800509	LPN100863	22%	86.1%	91%
SAU800509	MCA100637	29%	46.6%	45.0%
SAU800509	MBV102370	24%	45.2%	56.0%
SAU800509	MLP100150	24%	45.0%	56.3%
SAU800509	MTU203573	24%	45.2%	56.0%
SAU800509	MGE100086	27%	60.6%	97.2%
SAU800509	MPN100609	29%	42.5%	60.2%
SAU800509	NGO102060	33%	43.2%	43.8%
SAU800509	NME201238	34%	43.2%	42.3%
SAU800509	PMU100289	22%	92.1%	94.2%
SAU800509	PRT101174	21%	92.3%	90.2%
SAU800509	PAE203636	31%	49.0%	46.6%
SAU800509	PPU101173	27%	46.6%	44.5%
SAU800509	PSY104552	25%	38.3%	60.9%
SAU800509	SPA100900	31%	43.6%	43.1%
SAU800509	STY103952	32%	44.1%	43.3%
SAU800509	STM103634	32%	44.1%	43.3%
SAU800509	SAU800509	100%	100%	100%
SAU800509	SEP201842	53%	100%	99.8%
SAU800509	SHA100217	51%	74.2%	99.4%
SAU800509	SMU101186	27%	89.6%	92.8%
SAU800509	SPN400010	26%	94.4%	90.8%
SAU800509	SPY200010	26%	96.3%	93.0%
SAU800509	TPA100369	34%	89.8%	88.1%
SAU800509	UUR100075	28%	52.7%	66.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800509	VCH102208	27%	93.0%	90.5%
SAU800509	YPS001161	27%	44.3%	40.9%
SAU800511	ABA105195	50%	86.2%	94.7%
SAU800511	BAN107378	54%	75.6%	82.0%
SAU800511	BAN104843	66%	90.2%	99.8%
SAU800511	BFR10770	46%	85.9%	89.1%
SAU800511	BPT101027	49%	84.9%	94.2%
SAU800511	BBU100788	46%	88.5%	96.1%
SAU800511	BCE112663	46%	86.9%	94.3%
SAU800511	BFU107253	45%	89.8%	97.9%
SAU800511	BMA108557	46%	86.9%	94.9%
SAU800511	CJU101042	44%	85.7%	91.9%
SAU800511	CPN200841	51%	72.2%	55.1%
SAU800511	CTR200224	51%	72.2%	54.6%
SAU800511	CAC100135	54%	86.7%	99.5%
SAU800511	CBO100230	55%	85.2%	97.8%
SAU800511	CDF101022	51%	96.1%	98.8%
SAU800511	CDP100671	47%	88.7%	75%
SAU800511	EBC102676	48%	85.8%	95.2%
SAU800511	EFA201931	56%	98.7%	96.7%
SAU800511	EFM102207	28%	15.1%	93.7%
SAU800511	ECO103108	47%	85.8%	91.6%
SAU800511	HIN101433	50%	48.1%	88.5%
SAU800511	HIN101301	48%	85.8%	92.8%
SAU800511	HPY101052	43%	86.4%	95.3%
SAU800511	KPN300884	48%	44.9%	85.8%
SAU800511	LPN103008	47%	90.2%	97.2%
SAU800511	LMO101976	61%	98.6%	99.7%
SAU800511	MCA103535	48%	85.1%	91.1%
SAU800511	MAV100910	46%	86.5%	75.0%
SAU800511	MBV102391	49%	81.5%	95.0%
SAU800511	MLP100154	47%	85.5%	75.2%
SAU800511	MTU203558	47%	85.9%	78.3%
SAU800511	MGE100466	51%	70.7%	69.9%
SAU800511	MPN100171	45%	85.8%	82.9%
SAU800511	NGO100852	46%	94.5%	99.8%
SAU800511	NME200929	46%	94.5%	99.8%
SAU800511	PMU100438	48%	85.8%	92.0%
SAU800511	PRT100619	48%	86.5%	91.7%
SAU800511	PAE204747	49%	86.8%	93.7%
SAU800511	PPU108510	48%	87.5%	94.8%
SAU800511	PSY104838	49%	86.5%	93.7%
SAU800511	SPA101087	51%	55.7%	99.5%
SAU800511	STY101480	48%	85.8%	91.6%
SAU800511	SAU800511	100%	100%	100%
SAU800511	SEP201844	88%	100%	99.9%
SAU800511	SHA100531	83%	99.9%	99.4%
SAU800511	SMU101188	53%	92.0%	98.0%
SAU800511	SPN400012	54%	89.4%	98.0%
SAU800511	SPY200011	53%	91.4%	97.1%
SAU800511	TPA100757	50%	72.6%	82.9%
SAU800511	UUR100104	42%	89.4%	80.7%
SAU800511	VCH100625	45%	96.0%	100%
SAU800511	YPS002118	47%	89.1%	95.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800512	ABA104674	25%	82.3%	82.1%
SAU800512	BAN105387	47%	95.6%	100%
SAU800512	BAN111644	59%	98.6%	99.3%
SAU800512	BPT101679	22%	94.5%	91.4%
SAU800512	BCE104415	27%	28.3%	20.1%
SAU800512	BFU102353	24%	94.5%	91.1%
SAU800512	BMA102197	25%	94.5%	91.1%
SAU800512	CAC102483	38%	98.6%	98.0%
SAU800512	CBO100978	40%	98.3%	97.6%
SAU800512	CDF103810	45%	98.6%	99.3%
SAU800512	EBC103852	25%	96.6%	91.8%
SAU800512	EFA201930	58%	96.2%	94.6%
SAU800512	ECO103324	24%	96.6%	93.2%
SAU800512	HIN100790	21%	97.6%	94.9%
SAU800512	KPN306988	23%	96.6%	93.2%
SAU800512	LPN100616	22%	93.2%	93.2%
SAU800512	LMO102519	61%	98.0%	98.3%
SAU800512	MCA101414	24%	96.2%	92.3%
SAU800512	MAV105907	31%	16.7%	8.6%
SAU800512	NGO100527	24%	90.1%	84.4%
SAU800512	NME200412	23%	90.1%	77.7%
SAU800512	PMU101547	22%	95.6%	94.4%
SAU800512	PRT102606	21%	96.6%	94.9%
SAU800512	PAE205188	21%	97.3%	94.3%
SAU800512	PPU109985	20%	96.2%	92.0%
SAU800512	PSY103060	21%	94.5%	82.6%
SAU800512	SPA102217	24%	96.6%	93.2%
SAU800512	STY101381	24%	96.6%	93.8%
SAU800512	STM102899	24%	96.6%	93.2%
SAU800512	SAU800512	100%	100%	100%
SAU800512	SEP201845	86%	99.7%	99.7%
SAU800512	SHA100697	88%	99.7%	99.3%
SAU800512	SMU101402	40%	99.0%	99.7%
SAU800512	SPN401990	40%	97.6%	98.3%
SAU800512	SPY200090	39%	99.0%	99.7%
SAU800512	VCH102697	20%	97.3%	91.9%
SAU800512	YPS001563	22%	97.6%	94.9%
SAU800513	ABA104099	48%	97.7%	94.3%
SAU800513	BAN102869	49%	97.4%	98.4%
SAU800513	BAN106294	66%	97.4%	96.2%
SAU800513	BFR10188	52%	98.7%	97.8%
SAU800513	BFR101983	59%	99.0%	98.4%
SAU800513	BPT100209	37%	99.0%	100%
SAU800513	BCE108109	41%	98.7%	83.7%
SAU800513	BFU116313	48%	97.1%	96.5%
SAU800513	BMA101335	40%	98.7%	99.3%
SAU800513	CJU100842	44%	97.1%	98.7%
SAU800513	CAC102941	55%	96.5%	97.7%
SAU800513	CBO100211	57%	98.1%	99.4%
SAU800513	CDF104166	47%	96.8%	99.0%
SAU800513	CDP101484	52%	99.0%	98.4%
SAU800513	EBC101639	52%	95.2%	93.5%
SAU800513	EFA201835	60%	100%	100%
SAU800513	ECO102365	52%	95.2%	93.5%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800513	HIN101077	50%	94.8%	95.3%
SAU800513	KPN300766	54%	82.3%	96.4%
SAU800513	LPN100024	44%	95.2%	94.3%
SAU800513	LMO100284	67%	98.1%	98.7%
SAU800513	MCA100983	57%	96.8%	97.1%
SAU800513	MAV104131	58%	97.1%	97.4%
SAU800513	MBV103669	58%	97.1%	97.4%
SAU800513	MLP100505	56%	97.1%	97.4%
SAU800513	MTU202300	58%	97.1%	97.4%
SAU800513	NGO100032	58%	62.9%	99.5%
SAU800513	NME200897	60%	98.1%	98.7%
SAU800513	PMU101693	49%	94.8%	95.2%
SAU800513	PRT102264	53%	98.1%	97.8%
SAU800513	PAB202707	53%	95.5%	93.8%
SAU800513	PPU106282	52%	95.2%	93.5%
SAU800513	PSY105521	52%	95.2%	93.5%
SAU800513	SPA101199	48%	95.2%	93.4%
SAU800513	STY101194	52%	95.2%	93.5%
SAU800513	STM101233	52%	95.2%	93.5%
SAU800513	SAU800513	100%	100%	100%
SAU800513	SEP201846	94%	100%	100%
SAU800513	SHA100698	93%	100%	100%
SAU800513	SMU101545	60%	98.7%	99.4%
SAU800513	SPN402012	63%	96.8%	98.0%
SAU800513	SPY201246	63%	96.1%	95.2%
SAU800513	VCH100952	54%	95.2%	93.5%
SAU800513	YPS000618	53%	95.2%	93.5%
SAU800514	ABA103059	36%	91.4%	88.0%
SAU800514	BAN106505	43%	83.9%	85.2%
SAU800514	BAN104389	46%	94.4%	84.5%
SAU800514	BFR100332	36%	94.8%	90.6%
SAU800514	BPT101025	37%	89.1%	86.4%
SAU800514	BCE103917	42%	63.3%	75.5%
SAU800514	BFU113769	35%	94.0%	94.1%
SAU800514	BMA100868	36%	89.1%	84.1%
SAU800514	CJU100546	28%	75.3%	54.7%
SAU800514	CPN201095	27%	91.8%	57.1%
SAU800514	CTR200892	28%	92.1%	57.8%
SAU800514	CAC102945	44%	92.1%	91.4%
SAU800514	CBO101085	38%	95.1%	65.8%
SAU800514	CDF102713	48%	94.4%	94.4%
SAU800514	CDP100658	39%	91.4%	92.1%
SAU800514	EBC102675	36%	97.0%	88.3%
SAU800514	EFA200779	38%	89.9%	90.9%
SAU800514	ECO103107	38%	97.0%	89.2%
SAU800514	HIN101432	36%	92.5%	91.6%
SAU800514	HIN101302	36%	92.5%	91.6%
SAU800514	HPY101215	25%	95.9%	68.7%
SAU800514	KPN300883	38%	89.5%	86.5%
SAU800514	LPN102090	36%	89.1%	92.4%
SAU800514	LMO102383	48%	93.3%	91.9%
SAU800514	MCA100464	35%	92.5%	89.6%
SAU800514	MAV103185	35%	89.1%	85.2%
SAU800514	MBV102396	38%	93.6%	93.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800514	MLP100156	37%	94.0%	92.6%
SAU800514	MTU203556	38%	93.6%	93.6%
SAU800514	NGO100556	39%	94.0%	91.9%
SAU800514	NME201799	38%	97.0%	94.7%
SAU800514	PMU100439	38%	94.0%	93.1%
SAU800514	PRT100620	38%	91.4%	90.2%
SAU800514	PAE204746	38%	91.0%	87.6%
SAU800514	PPU105044	38%	91.0%	87.6%
SAU800514	PSY106101	38%	94.8%	91.2%
SAU800514	SPA100514	33%	91.4%	88.9%
SAU800514	STY101479	38%	91.4%	88.3%
SAU800514	SAU800514	100%	100%	100%
SAU800514	SEP201847	75%	100%	100%
SAU800514	SHA100699	71%	97.0%	99.2%
SAU800514	SMU100992	47%	93.3%	94.0%
SAU800514	SPN400266	37%	97.0%	95.2%
SAU800514	SPY200831	49%	90.3%	91.0%
SAU800514	VCH100626	36%	95.1%	93.5%
SAU800514	YPS001057	37%	91.4%	89.9%
SAU800517	ABA102635	51%	99.0%	94.4%
SAU800517	BAN101985	52%	97.4%	100%
SAU800517	BAN113496	76%	99.6%	98.4%
SAU800517	BFR102757	46%	99.0%	86.1%
SAU800517	BPT101799	50%	99.8%	98.0%
SAU800517	BCE109946	50%	100%	97.8%
SAU800517	BFU108644	49%	99.4%	95.0%
SAU800517	BMA108408	51%	100%	97.8%
SAU800517	CJU100369	47%	97.4%	96.2%
SAU800517	CPN200915	40%	98.8%	97.0%
SAU800517	CTR200158	40%	98.8%	97.5%
SAU800517	CAC101713	54%	99.0%	94.2%
SAU800517	CBO101347	55%	99.2%	96.4%
SAU800517	CDF101016	55%	99.6%	95.3%
SAU800517	CDP100639	38%	99.4%	98.3%
SAU800517	EBC102996	51%	99.0%	96.8%
SAU800517	EFA201926	68%	99.2%	98.2%
SAU800517	EFM102056	57%	23.6%	98.3%
SAU800517	ECO104023	53%	99.0%	96.8%
SAU800517	HIN101184	54%	99.4%	98.2%
SAU800517	HPY100179	46%	98.6%	97.0%
SAU800517	KPN303317	51%	99.0%	96.8%
SAU800517	KPN302939	52%	99.0%	96.8%
SAU800517	LPN100325	52%	97.8%	97.0%
SAU800517	LMO102242	66%	99.6%	98.6%
SAU800517	MCA100679	50%	99.0%	96.8%
SAU800517	MAV100921	40%	99.0%	98.0%
SAU800517	MBV102374	40%	89.1%	92.9%
SAU800517	MLP100165	39%	98.4%	96.6%
SAU800517	MTU203546	38%	99.4%	98.0%
SAU800517	MGE100138	45%	99.8%	99.6%
SAU800517	MPN100558	46%	99.8%	99.6%
SAU800517	NGO101519	51%	98.6%	96.6%
SAU800517	NME201498	51%	98.6%	96.6%
SAU800517	PMU100189	53%	99.4%	98.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800517	PRT100474	53%	99.0%	96.3%
SAU800517	PAE203698	50%	99.6%	97.4%
SAU800517	PPU107895	50%	99.6%	97.4%
SAU800517	PSY104934	51%	99.6%	97.4%
SAU800517	SPA102976	52%	99.0%	96.8%
SAU800517	STY104136	52%	99.0%	96.8%
SAU800517	STM103496	30%	64.2%	95.1%
SAU800517	SAU800517	100%	100%	100%
SAU800517	SEP201850	89%	100%	100%
SAU800517	SHA100105	93%	45.9%	100%
SAU800517	SMU100072	62%	99.4%	98.2%
SAU800517	SPN400626	62%	99.2%	98.8%
SAU800517	SPY200429	62%	99.2%	98.6%
SAU800517	UUR100060	53%	100%	99.6%
SAU800517	VCH100651	49%	99.6%	96.5%
SAU800517	YPS000160	52%	99.4%	97.2%
SAU800519	ABA100756	26%	50.5%	67.8%
SAU800519	BAN109871	71%	98.3%	99.7%
SAU800519	BAN107508	77%	100%	100%
SAU800519	BFR11308	34%	28.8%	29.5%
SAU800519	BPT100814	28%	7.5%	47.8%
SAU800519	BFU102894	25%	73.9%	64.9%
SAU800519	BMA102637	28%	36.6%	36.1%
SAU800519	CAC102051	62%	98.6%	100%
SAU800519	CBO101315	65%	96.9%	100%
SAU800519	CDP101490	60%	97.3%	95.7%
SAU800519	EBC103909	31%	30.5%	29.0%
SAU800519	EFM200941	37%	19.0%	14.2%
SAU800519	ECO103889	39%	19.0%	19.2%
SAU800519	HIN101613	60%	96.6%	97.3%
SAU800519	KPN306802	36%	20.3%	22.7%
SAU800519	LMO102728	79%	100%	100%
SAU800519	MCA100752	34%	29.2%	34.2%
SAU800519	MAV101844	61%	98.3%	95.7%
SAU800519	MBV100793	60%	98.3%	94.8%
SAU800519	MLP100276	60%	98.3%	94.5%
SAU800519	MTU202569	60%	98.3%	97.0%
SAU800519	NGO100999	37%	20%	19.8%
SAU800519	NME200335	37%	20%	19.8%
SAU800519	PMU101232	82%	100%	100%
SAU800519	PRT104614	31%	27.8%	28.2%
SAU800519	PAE200380	26%	51.9%	68.3%
SAU800519	SPA101833	41%	18.6%	20.3%
SAU800519	STY103157	41%	18.6%	20.3%
SAU800519	STM101623	41%	18.6%	20.3%
SAU800519	SAU800519	100%	100%	100%
SAU800519	SEP201862	97%	100%	100%
SAU800519	SHA101015	95%	100%	100%
SAU800519	SPN401321	60%	96.6%	95.3%
SAU800519	VCH100065	35%	33.9%	37.5%
SAU800519	YPS000466	32%	25.8%	22.2%
SAU800520	BAN104549	56%	97.8%	91.6%
SAU800520	BAN104960	56%	100%	96.4%
SAU800520	CAC102975	41%	96.2%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800520	CDP101491	41%	93.5%	95.7%
SAU800520	EFM201119	23%	78.5%	75.7%
SAU800520	HIN101614	44%	87.1%	96.6%
SAU800520	LMO100481	44%	97.8%	98.9%
SAU800520	MAV101842	42%	96.2%	94.9%
SAU800520	MBV100772	41%	99.5%	98.0%
SAU800520	MLP100291	40%	96.2%	84.3%
SAU800520	MTU202567	41%	99.5%	98.0%
SAU800520	PMU101233	50%	96.2%	95.3%
SAU800520	SAU800520	100%	100%	100%
SAU800520	SEP201863	80%	98.9%	98.9%
SAU800520	SHA101014	84%	98.9%	100%
SAU800520	SPN401320	46%	100%	100%
SAU800523	ABA103208	24%	38.8%	50%
SAU800523	BAN106494	32%	94.7%	94.5%
SAU800523	CPN200044	24%	95.2%	92.4%
SAU800523	CTR200047	29%	41.5%	49.2%
SAU800523	CAC101982	31%	94.7%	96%
SAU800523	CBO101445	30%	96.8%	98.3%
SAU800523	CDF100266	30%	94.7%	97.6%
SAU800523	LMO102833	29%	96.8%	98.8%
SAU800523	PAE203102	32%	34.6%	26.8%
SAU800523	SAU800523	100%	100%	100%
SAU800523	SEP201867	71%	99.5%	100%
SAU800523	SHA101374	73%	99.5%	100%
SAU800524	BAN106857	36%	93.7%	95.1%
SAU800524	BAN112005	41%	98.8%	97.2%
SAU800524	CPN100682	24%	77.3%	75.1%
SAU800524	CTR200046	26%	60%	56.2%
SAU800524	CAC101065	39%	97.6%	100%
SAU800524	CBO102797	36%	97.0%	95.8%
SAU800524	CDF100265	40%	96.4%	96.8%
SAU800524	LMO100281	43%	96.7%	96.5%
SAU800524	SAU800524	100%	100%	100%
SAU800524	SEP201868	79%	100%	98.2%
SAU800524	SHA101375	77%	98.5%	98.8%
SAU800525	BAN109395	58%	93.2%	95.6%
SAU800525	BAN104033	69%	98.8%	99.8%
SAU800525	BFR102278	46%	99.0%	99.4%
SAU800525	BBU100833	31%	95.1%	98.0%
SAU800525	BFU102993	46%	96.7%	83.5%
SAU800525	CPN200311	49%	99.6%	99.4%
SAU800525	CTR200551	50%	95.5%	92.9%
SAU800525	CAC101654	59%	97.4%	98.8%
SAU800525	CBO101582	59%	97.2%	98.3%
SAU800525	CDF100283	57%	96.8%	98.3%
SAU800525	CDP100633	55%	99.5%	95.6%
SAU800525	EFA200763	57%	22.1%	12.3%
SAU800525	EFM201642	56%	16.7%	7.6%
SAU800525	KPN202650	48%	97.6%	96.4%
SAU800525	LMO101646	70%	97.7%	97.4%
SAU800525	MAV100919	57%	97.3%	95.5%
SAU800525	MBV102380	58%	97.3%	94.9%
SAU800525	MLP100167	57%	97.3%	94.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800525	MTU203544	58%	97.3%	94.9%
SAU800525	PAE200458	49%	97.1%	93.1%
SAU800525	PPU111611	48%	97.6%	86.0%
SAU800525	SAU800525	100%	100%	100%
SAU800525	SEP201869	93%	99.5%	99.6%
SAU800525	SHA101376	93%	99.0%	98.3%
SAU800525	SMU100618	44%	97.4%	99.1%
SAU800525	SPN401997	46%	88.8%	96.2%
SAU800525	SPY201584	42%	97.6%	99.3%
SAU800526	ABA102159	49%	99.6%	98.5%
SAU800526	BAN111588	53%	93.8%	98.6%
SAU800526	BAN107627	63%	99.6%	99.6%
SAU800526	BFR12344	50%	94.1%	98.6%
SAU800526	BPT100212	51%	98.7%	99.1%
SAU800526	BCE105510	49%	98.7%	98.5%
SAU800526	BFU116174	50%	97.4%	98.5%
SAU800526	BMA108374	50%	98.7%	98.5%
SAU800526	CJU101130	48%	93.2%	94.6%
SAU800526	CPN200710	47%	99.1%	99.3%
SAU800526	CTR200563	49%	98.2%	90.5%
SAU800526	CAC101532	49%	98.9%	99.3%
SAU800526	CBO101852	47%	98.9%	99.3%
SAU800526	CDF100282	50%	99.6%	99.1%
SAU800526	CDP100623	42%	99.6%	99.8%
SAU800526	EBC103585	45%	98.0%	97.8%
SAU800526	EFA200202	58%	98.7%	98.9%
SAU800526	EFM201370	58%	98.7%	97.0%
SAU800526	ECO104275	46%	98.9%	98.9%
SAU800526	HIN101564	44%	98.9%	95.4%
SAU800526	HPY100219	47%	93.4%	93.2%
SAU800526	KPN302185	45%	98.0%	98.5%
SAU800526	LPN100655	48%	93.4%	94.4%
SAU800526	LMO100194	64%	99.3%	98.9%
SAU800526	MCA100542	47%	98.7%	98.1%
SAU800526	MAV102717	41%	94.7%	93.9%
SAU800526	MBV100379	39%	94.7%	93.5%
SAU800526	MTU203533	39%	99.1%	93.8%
SAU800526	NGO100123	49%	100%	99.6%
SAU800526	NME200915	49%	100%	99.6%
SAU800526	PMU100252	45%	93.8%	94.1%
SAU800526	PRT105275	44%	98.9%	98.3%
SAU800526	PAE204607	49%	98.7%	98.9%
SAU800526	PPU108525	49%	98.7%	98.9%
SAU800526	PSY105300	52%	86.8%	93.8%
SAU800526	SPA101143	45%	98.0%	98.5%
SAU800526	STY104615	46%	98.9%	98.9%
SAU800526	STM100383	45%	98.0%	97.8%
SAU800526	SAU800526	100%	100%	100%
SAU800526	SEP201870	92%	100%	99.3%
SAU800526	SHA101377	91%	100%	100%
SAU800526	SMU100655	61%	98.7%	96.1%
SAU800526	SPN400025	62%	91.6%	98.8%
SAU800526	SPY200171	59%	98.9%	99.1%
SAU800526	TPA101012	40%	99.3%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800526	VCH102308	44%	98.9%	98.7%
SAU800526	YPS000124	44%	98.9%	98.9%
SAU800528	ABA100922	33%	98.8%	96.1%
SAU800528	BAN110804	57%	99.6%	98.8%
SAU800528	BAN108869	68%	99.6%	99.4%
SAU800528	BFR102616	34%	95.0%	98.6%
SAU800528	BPT102905	38%	98.6%	92.9%
SAU800528	BBU100371	34%	98.3%	97.3%
SAU800528	BCE100150	43%	59.3%	99.3%
SAU800528	BFU100071	38%	98.3%	100%
SAU800528	BMA103736	39%	99.2%	98.9%
SAU800528	CJU101212	37%	99.8%	98.7%
SAU800528	CPN200187	38%	98.8%	92.7%
SAU800528	CTR200720	37%	98.3%	92.1%
SAU800528	CAC101596	35%	99.2%	97.9%
SAU800528	CBO103047	37%	99.4%	96.9%
SAU800528	CDF100252	43%	99.2%	98.8%
SAU800528	CDP100231	34%	99.4%	96.8%
SAU800528	EBC100212	37%	99.0%	98.7%
SAU800528	EFA200192	64%	99.0%	98.0%
SAU800528	EFM202131	64%	99.0%	99.0%
SAU800528	ECO102355	37%	99.0%	97.2%
SAU800528	HIN100261	36%	99.0%	95.2%
SAU800528	HPY100472	38%	99.0%	98.7%
SAU800528	KPN305021	44%	42.6%	99.5%
SAU800528	LPN103492	39%	98.6%	96.8%
SAU800528	LMO101411	69%	98.6%	97.6%
SAU800528	MCA102322	34%	98.6%	94.9%
SAU800528	MAV101415	33%	94.8%	97.2%
SAU800528	MBV101327	34%	98.6%	99.6%
SAU800528	MLP101032	34%	98.6%	95.4%
SAU800528	MTU202954	34%	99.2%	97.6%
SAU800528	MGE100471	41%	99.4%	98.3%
SAU800528	MPN100164	41%	99.4%	98.3%
SAU800528	NGO100018	36%	98.6%	99.4%
SAU800528	NME200234	36%	98.6%	99.4%
SAU800528	PMU101115	36%	99.0%	95.2%
SAU800528	PRT100735	37%	99.0%	97.0%
SAU800528	PAE203132	35%	98.8%	94.3%
SAU800528	PPU101878	34%	98.8%	94.5%
SAU800528	PSY105734	35%	98.8%	94.5%
SAU800528	SPA103535	34%	93.8%	91.9%
SAU800528	STY101161	38%	93.8%	91.4%
SAU800528	STM101572	26%	25.4%	20.7%
SAU800528	SAU800528	100%	100%	100%
SAU800528	SEP201872	89%	99.4%	99.4%
SAU800528	SHA101478	89%	95.9%	99.8%
SAU800528	SMU100660	58%	99.4%	98.6%
SAU800528	SPN401878	58%	99.4%	98.4%
SAU800528	SPY200174	58%	99.4%	99.4%
SAU800528	TPA100665	33%	98.6%	96.5%
SAU800528	UUR100606	42%	98.6%	98.1%
SAU800528	VCH102180	39%	98.6%	90.2%
SAU800528	YPS000590	38%	98.6%	96.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800529	ABA101415	56%	80.3%	72.2%
SAU800529	BAN102387	62%	91.1%	89.8%
SAU800529	BAN101066	67%	95.3%	91.9%
SAU800529	BFR100721	40%	72.3%	54.5%
SAU800529	BPT102142	46%	71.8%	51.1%
SAU800529	BCE108070	56%	78.9%	63.3%
SAU800529	BFU100954	55%	78.9%	60.1%
SAU800529	BMA108518	53%	78.9%	64.8%
SAU800529	CJU100702	49%	77.9%	78.8%
SAU800529	CAC100612	61%	78.9%	90.3%
SAU800529	CBO103931	62%	77.0%	81.6%
SAU800529	CDF101107	60%	79.3%	84.9%
SAU800529	CDP101486	54%	77.0%	80.8%
SAU800529	EBC103197	45%	75.6%	59.0%
SAU800529	EFA200191	46%	82.6%	98.3%
SAU800529	EFM200794	50%	76.5%	91.6%
SAU800529	ECO103529	45%	75.6%	59.0%
SAU800529	HIN100586	49%	77.0%	61.4%
SAU800529	HPY101193	57%	76.5%	95.3%
SAU800529	KPN303402	45%	75.6%	59.0%
SAU800529	LPN102556	29%	64.3%	58.3%
SAU800529	LMO102911	49%	94.4%	97.1%
SAU800529	MCA101510	56%	76.1%	60.8%
SAU800529	MAV104132	47%	97.2%	93.0%
SAU800529	MBV101558	55%	87.3%	80.8%
SAU800529	MLP100504	50%	94.4%	87.2%
SAU800529	MTU202301	55%	87.3%	80.8%
SAU800529	NGO101445	46%	76.1%	59.6%
SAU800529	NME200684	46%	76.1%	59.6%
SAU800529	PMU101430	47%	77.0%	62.1%
SAU800529	PRT100957	44%	78.9%	61.5%
SAU800529	PAE203813	50%	93.9%	82.6%
SAU800529	PPU104027	54%	78.9%	64.4%
SAU800529	PSY103766	54%	78.9%	65.1%
SAU800529	SPA102939	45%	77.5%	60.4%
SAU800529	STY100363	45%	77.5%	60.4%
SAU800529	SAU800529	100%	100%	100%
SAU800529	SEP201873	91%	100%	100%
SAU800529	SHA101479	88%	100%	100%
SAU800529	SMU101331	47%	78.4%	81.5%
SAU800529	SPN400517	51%	78.4%	81.5%
SAU800529	SPY201496	46%	91.5%	94.3%
SAU800529	VCH102612	45%	75.6%	59.0%
SAU800529	YPS001567	46%	75.6%	59.0%
SAU800530	ABA100096	41%	75.2%	98.5%
SAU800530	BAN107039	51%	76.5%	99.6%
SAU800530	BAN103770	62%	76.5%	99.6%
SAU800530	BFR10199	38%	76.2%	98.6%
SAU800530	BPT101394	40%	75.8%	98.8%
SAU800530	BBU100598	31%	76.6%	99.8%
SAU800530	BCE112863	42%	75.5%	92.7%
SAU800530	BFU100950	41%	75.7%	98.1%
SAU800530	BMA109903	41%	75.5%	97.8%
SAU800530	CJU100741	35%	76.0%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800530	CPN200914	38%	75.7%	97.3%
SAU800530	CTR200159	38%	76.0%	98.9%
SAU800530	CAC101178	49%	75.8%	98.7%
SAU800530	CBO101748	50%	76.0%	99.4%
SAU800530	CDF102964	50%	97.7%	100%
SAU800530	CDP100610	37%	75.5%	98.1%
SAU800530	EBC103357	43%	76.5%	99.8%
SAU800530	EFA200190	57%	77.1%	99.2%
SAU800530	EFM201665	58%	76.5%	99.6%
SAU800530	ECO100517	43%	76.5%	99.8%
SAU800530	HIN100077	41%	76.5%	99.8%
SAU800530	HPY100872	38%	76.0%	99.1%
SAU800530	KPN303880	49%	19.2%	100%
SAU800530	LPN102830	44%	76.5%	99.3%
SAU800530	LMO101610	59%	76.5%	99.6%
SAU800530	MCA100755	40%	76.3%	97.7%
SAU800530	MAV102725	35%	76.5%	97.9%
SAU800530	MBV100384	35%	75.5%	79.9%
SAU800530	MLP100222	34%	76.2%	96.4%
SAU800530	MTU203528	35%	75.5%	96.4%
SAU800530	MGE100257	34%	69.9%	94.6%
SAU800530	MPN100480	33%	74.2%	98.2%
SAU800530	NGO100962	42%	76.6%	100%
SAU800530	NME200324	42%	76.6%	67.7%
SAU800530	PMU100945	43%	76.5%	99.8%
SAU800530	PRT104466	44%	76.5%	99.6%
SAU800530	PAE201794	44%	76.3%	99.3%
SAU800530	PPU110625	44%	75.2%	97.8%
SAU800530	PSY100232	42%	72.7%	99.8%
SAU800530	SPA100734	43%	75.5%	98.9%
SAU800530	STY101290	44%	76.5%	99.8%
SAU800530	STM100673	44%	76.5%	99.8%
SAU800530	SAU800530	100%	100%	100%
SAU800530	SEP201874	84%	100%	100%
SAU800530	SHA101480	88%	76.6%	100%
SAU800530	SMU101332	51%	98.2%	100%
SAU800530	SPN400519	51%	76.5%	99.8%
SAU800530	SPY201494	50%	76.5%	99.8%
SAU800530	TPA100090	33%	76.3%	99.4%
SAU800530	UUR100122	37%	70.9%	95.9%
SAU800530	VCH101818	43%	76.5%	99.8%
SAU800530	YPS001481	42%	76.5%	99.8%
SAU800532	ABA104918	25%	69.5%	20.8%
SAU800532	BAN106938	37%	94.8%	96.5%
SAU800532	BAN107328	38%	94.8%	96.5%
SAU800532	CAC101411	36%	94.3%	97.1%
SAU800532	CBO102935	40%	95.4%	98.2%
SAU800532	CDF100246	35%	86.2%	98.7%
SAU800532	EFA200188	39%	100%	99.4%
SAU800532	EFM200410	37%	95.4%	94.3%
SAU800532	LMO102454	40%	96.6%	98.2%
SAU800532	SAU800532	100%	100%	100%
SAU800532	SEP201876	84%	100%	99.4%
SAU800532	SHA101483	80%	100%	99.4%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800532	SPY201490	37%	87.9%	89.0%
SAU800534	ABA105627	26%	86.7%	73.2%
SAU800534	BAN102018	47%	91.7%	93.2%
SAU800534	BPT104544	36%	80%	38.9%
SAU800534	CPN200688	33%	96.7%	79.5%
SAU800534	CTR200587	32%	95%	70.7%
SAU800534	CAC103674	28%	88.3%	69.7%
SAU800534	CBO101188	28%	88.3%	67.9%
SAU800534	CDF103578	36%	86.7%	71.2%
SAU800534	CDP100846	40%	91.7%	50.5%
SAU800534	EFA202706	42%	70%	75%
SAU800534	HIN100695	33%	93.3%	52.8%
SAU800534	LMO100602	46%	96.7%	98.3%
SAU800534	MCA102273	27%	90%	34.4%
SAU800534	MAV102333	32%	91.7%	37.4%
SAU800534	MBV103153	34%	91.7%	34.2%
SAU800534	MLP101156	30%	91.7%	37.7%
SAU800534	MTU200635	34%	91.7%	34.2%
SAU800534	NGO103134	34%	81.7%	53.3%
SAU800534	NME200142	35%	85%	58.7%
SAU800534	PMU101745	33%	93.3%	41.2%
SAU800534	PAE204274	30%	98.3%	50.8%
SAU800534	PPU104465	38%	78.3%	41.0%
SAU800534	PSY108284	34%	76.7%	40.2%
SAU800534	SAU800534	100%	100%	100%
SAU800534	SEP201879	90%	100%	100%
SAU800534	SHA101486	80%	91.7%	75.3%
SAU800534	SMU101770	26%	76.7%	79.3%
SAU800534	SPY201576	28%	70%	72.4%
SAU800534	UUR100587	25%	86.7%	31.3%
SAU800535	ABA101112	39%	95.6%	98.3%
SAU800535	BAN107620	66%	96.2%	98.9%
SAU800535	BFR10520	39%	95.6%	96.7%
SAU800535	BPT100046	46%	96.2%	98.9%
SAU800535	BBU100393	34%	96.7%	99.5%
SAU800535	BCE106900	46%	96.2%	94.6%
SAU800535	BFU104521	48%	96.2%	94.6%
SAU800535	BMA104447	45%	99.5%	97.8%
SAU800535	CJU100438	34%	95.6%	97.2%
SAU800535	CPN200687	40%	95.6%	95.1%
SAU800535	CTR200586	41%	95.6%	95.1%
SAU800535	CAC102306	56%	100%	99.4%
SAU800535	CBO103872	58%	100%	99.4%
SAU800535	CDF104265	45%	98.4%	98.9%
SAU800535	CDP100848	40%	95.1%	72.2%
SAU800535	EBC102887	41%	97.8%	98.3%
SAU800535	EFA200831	58%	98.4%	98.9%
SAU800535	EFM202000	64%	90.7%	99.4%
SAU800535	ECO103880	40%	97.8%	98.3%
SAU800535	HIN100696	41%	100%	99.5%
SAU800535	HPY101186	34%	95.1%	97.7%
SAU800535	KPN300526	43%	49.5%	96.8%
SAU800535	LMO102609	69%	96.2%	98.9%
SAU800535	MCA100998	36%	95.6%	98.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800535	MAV102335	45%	95.1%	74.2%
SAU800535	MBV103155	44%	95.1%	79.8%
SAU800535	MLP101155	44%	95.1%	83.3%
SAU800535	MTU200636	44%	95.1%	79.8%
SAU800535	MGE100054	27%	53.8%	39.6%
SAU800535	MPN100087	26%	53.8%	39.1%
SAU800535	NGO101670	42%	96.7%	98.9%
SAU800535	NME200141	42%	96.7%	98.9%
SAU800535	PMU101744	40%	99.5%	98.9%
SAU800535	PRT103295	40%	95.6%	96.1%
SAU800535	PAE204273	41%	96.7%	99.4%
SAU800535	PPU108806	41%	96.7%	99.4%
SAU800535	PSY103335	41%	96.2%	98.9%
SAU800535	SPA102796	41%	97.8%	98.3%
SAU800535	STY102686	41%	97.8%	98.3%
SAU800535	STM102044	41%	97.8%	98.3%
SAU800535	SAU800535	100%	100%	100%
SAU800535	SEP201880	96%	100%	100%
SAU800535	SHA101487	96%	100%	100%
SAU800535	SMU100495	52%	96.2%	97.2%
SAU800535	SPN401818	50%	96.2%	94.5%
SAU800535	SPY200119	52%	96.2%	96.6%
SAU800535	TPA100233	43%	96.7%	99.5%
SAU800535	UUR100588	25%	94.5%	86.4%
SAU800535	VCH100318	41%	98.4%	98.4%
SAU800535	YPS000502	40%	97.8%	98.3%
SAU800536	SAU800536	100%	100%	100%
SAU800537	ABA106058	66%	100%	99.3%
SAU800537	BAN106044	80%	80.7%	99.1%
SAU800537	BFR10521	60%	100%	95.2%
SAU800537	BPT100048	62%	100%	98.6%
SAU800537	BBU100392	53%	98.6%	97.2%
SAU800537	BCE100591	62%	100%	98.6%
SAU800537	BFU104508	63%	100%	92.8%
SAU800537	BMA106139	63%	100%	98.6%
SAU800537	CJU100439	62%	99.3%	98.6%
SAU800537	CPN200686	62%	98.6%	97.9%
SAU800537	CTR200585	58%	98.6%	97.9%
SAU800537	CAC101038	71%	99.3%	98.6%
SAU800537	CBO102195	77%	100%	99.3%
SAU800537	CDF104047	74%	100%	99.3%
SAU800537	CDP100850	67%	98.6%	97.2%
SAU800537	EBC102886	67%	100%	99.3%
SAU800537	EFA200839	85%	100%	100%
SAU800537	ECO103881	67%	100%	99.3%
SAU800537	HIN100496	68%	100%	99.3%
SAU800537	HPY101185	64%	99.3%	98.6%
SAU800537	KPN300527	67%	100%	99.3%
SAU800537	LMO100036	82%	100%	99.3%
SAU800537	MCA100999	65%	100%	98.6%
SAU800537	MAV102318	69%	98.6%	97.2%
SAU800537	MBV103157	71%	98.6%	97.2%
SAU800537	MLP101154	68%	98.6%	97.2%
SAU800537	MTU200637	71%	98.6%	97.2%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800537	MGE100083	44%	99.3%	98.5%
SAU800537	MPN100612	45%	99.3%	98.5%
SAU800537	NGO101667	62%	100%	97.9%
SAU800537	NME200140	62%	100%	97.9%
SAU800537	PMU101743	68%	100%	99.3%
SAU800537	PAE204272	65%	100%	98.6%
SAU800537	PPU104469	65%	100%	98.6%
SAU800537	PSY106552	63%	100%	95.9%
SAU800537	SPA107834	71%	62.9%	90.7%
SAU800537	STY102683	67%	100%	99.3%
SAU800537	STM102055	67%	100%	99.3%
SAU800537	SAU800537	100%	100%	100%
SAU800537	SEP201881	95%	100%	100%
SAU800537	SHA101488	95%	99.3%	98.6%
SAU800537	SMU101147	79%	99.3%	98.6%
SAU800537	SPN400555	82%	99.3%	98.6%
SAU800537	SPY200329	82%	99.3%	98.6%
SAU800537	TPA100234	56%	98.6%	95.2%
SAU800537	UUR100547	47%	98.6%	89.3%
SAU800537	VCH100319	67%	100%	99.3%
SAU800537	YPS000498	68%	100%	99.3%
SAU800538	ABA104945	47%	97.8%	97.4%
SAU800538	BAN101496	66%	40%	97.9%
SAU800538	BAN103921	57%	99.1%	99.6%
SAU800538	BFR10522	53%	99.1%	98.3%
SAU800538	BPT100050	54%	99.1%	98.3%
SAU800538	BBU100391	46%	97.8%	98.2%
SAU800538	BCE101116	52%	99.1%	98.3%
SAU800538	BFU100848	53%	99.1%	98.3%
SAU800538	BMA108405	51%	99.1%	98.3%
SAU800538	CJU100440	51%	98.3%	97.0%
SAU800538	CPN200685	53%	98.3%	97.4%
SAU800538	CTR200584	53%	98.3%	97.4%
SAU800538	CAC102626	65%	96.1%	96.9%
SAU800538	CBO103496	64%	96.1%	96.9%
SAU800538	CDF100546	63%	98.7%	98.3%
SAU800538	CDP100852	56%	97.8%	95.7%
SAU800538	EBC102885	53%	98.7%	97.0%
SAU800538	EFA200840	73%	99.6%	100%
SAU800538	ECO103882	52%	98.7%	97.0%
SAU800538	HIN100495	50%	99.1%	99.6%
SAU800538	HPY101184	53%	97.8%	96.6%
SAU800538	KPN300590	54%	49.6%	91.1%
SAU800538	LMO100406	74%	99.1%	99.6%
SAU800538	MCA101000	48%	97.8%	96.6%
SAU800538	MAV102320	54%	97.8%	95.7%
SAU800538	MBV103159	54%	97.8%	99.1%
SAU800538	MLP101153	56%	97.8%	95.7%
SAU800538	MTU200638	54%	97.8%	95.7%
SAU800538	MGE100084	43%	97.4%	98.2%
SAU800538	MPN100611	45%	97.4%	98.2%
SAU800538	NGO101665	53%	99.1%	98.7%
SAU800538	NME200139	53%	99.1%	98.7%
SAU800538	PMU101742	51%	99.1%	99.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800538	PAE204271	52%	100%	99.6%
SAU800538	PPU104471	48%	99.1%	98.7%
SAU800538	PSY103536	47%	100%	99.6%
SAU800538	SPA102795	52%	98.7%	97.0%
SAU800538	STY102680	53%	98.7%	97.0%
SAU800538	STM102056	53%	98.7%	97.0%
SAU800538	SAU800538	100%	100%	100%
SAU800538	SEP201882	93%	100%	99.6%
SAU800538	SHA101489	94%	100%	99.6%
SAU800538	SMU101145	65%	99.6%	100%
SAU800538	SPN400556	64%	99.1%	99.6%
SAU800538	SPY200330	66%	99.1%	99.6%
SAU800538	TPA100235	46%	95.7%	96.0%
SAU800538	UUR100546	47%	97.4%	97.8%
SAU800538	VCH100320	52%	97.8%	96.6%
SAU800538	YPS000494	52%	97.8%	96.2%
SAU800539	ABA104908	36%	99.4%	99.4%
SAU800539	BAN101384	64%	98.2%	98.2%
SAU800539	BAN106254	65%	98.2%	98.2%
SAU800539	BFR101778	25%	92.2%	90.6%
SAU800539	BPT104548	41%	94.6%	89.7%
SAU800539	BBU100390	32%	97.0%	95.8%
SAU800539	BCE110567	41%	96.4%	96.4%
SAU800539	BFU104512	42%	94.6%	77.6%
SAU800539	BMA104533	41%	96.4%	86.4%
SAU800539	CJU100441	31%	93.4%	95.6%
SAU800539	CPN200684	27%	85.5%	84.1%
SAU800539	CTR200583	28%	85.5%	83.1%
SAU800539	CAC103420	44%	94.6%	93.5%
SAU800539	CBO103649	43%	94.6%	94.6%
SAU800539	CDF100545	47%	100%	94.9%
SAU800539	CDP100855	39%	83.7%	87.1%
SAU800539	EFA200841	60%	98.2%	98.2%
SAU800539	EFM100720	57%	98.2%	97.6%
SAU800539	ECO103883	34%	97.6%	98.8%
SAU800539	HIN100621	33%	99.4%	100%
SAU800539	HPY101183	31%	94.6%	94.5%
SAU800539	KPN304658	33%	97.6%	98.8%
SAU800539	LMO101102	62%	97.6%	97.6%
SAU800539	MCA101001	33%	99.4%	99.4%
SAU800539	MAV102938	41%	92.8%	83.7%
SAU800539	MBV100919	41%	92.8%	92.1%
SAU800539	MLP101148	40%	92.8%	92.7%
SAU800539	MTU200648	41%	92.8%	92.1%
SAU800539	MGE100371	32%	92.8%	95.7%
SAU800539	MPN100304	34%	94.6%	100%
SAU800539	NGO101663	42%	97.0%	96.4%
SAU800539	NME200138	42%	97.0%	96.4%
SAU800539	PMU101739	33%	99.4%	100%
SAU800539	PRT103043	36%	97.6%	98.8%
SAU800539	PAE204270	40%	99.4%	99.4%
SAU800539	PPU104473	38%	97.0%	82.6%
SAU800539	PSY103338	36%	99.4%	99.4%
SAU800539	SPA102794	33%	97.6%	98.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800539	STY102677	33%	97.6%	98.8%
SAU800539	STM102057	33%	97.6%	98.8%
SAU800539	SAU800539	100%	100%	100%
SAU800539	SEP201883	90%	100%	100%
SAU800539	SHA101633	89%	100%	100%
SAU800539	SMU100974	60%	98.2%	97.6%
SAU800539	SPN401211	55%	98.2%	98.2%
SAU800539	SPY200814	55%	96.4%	96.4%
SAU800539	TPA100236	35%	96.4%	88.9%
SAU800539	UUR100008	38%	94.0%	94.0%
SAU800539	VCH100321	39%	97.6%	98.8%
SAU800539	YPS000491	34%	97.6%	98.8%
SAU800540	ABA105381	61%	67.2%	95.3%
SAU800540	BAN106592	72%	96.7%	97.5%
SAU800540	BAN112078	79%	96.7%	97.5%
SAU800540	BFR106071	58%	100%	100%
SAU800540	BPT104549	63%	95.9%	95.3%
SAU800540	BBU100389	53%	98.4%	97.6%
SAU800540	BCE104254	64%	96.7%	96.0%
SAU800540	BFU104514	64%	96.7%	96.0%
SAU800540	BMA108492	65%	96.7%	96.0%
SAU800540	CJU100442	58%	96.7%	96%
SAU800540	CPN200683	44%	96.7%	93.8%
SAU800540	CTR200582	49%	96.7%	93.8%
SAU800540	CAC103770	72%	96.7%	97.6%
SAU800540	CBO100998	73%	96.7%	97.6%
SAU800540	CDF100554	67%	96.7%	95.2%
SAU800540	CDP100862	61%	96.7%	95.2%
SAU800540	EBC100455	60%	96.7%	95.9%
SAU800540	EFA200842	64%	98.4%	97.5%
SAU800540	EFM100721	70%	98.4%	97.5%
SAU800540	ECO103884	58%	96.7%	95.9%
SAU800540	HIN100622	63%	97.5%	96.7%
SAU800540	HPY101182	55%	96.7%	96%
SAU800540	KPN205542	58%	96.7%	95.9%
SAU800540	LMO102795	72%	98.4%	97.5%
SAU800540	MCA101002	60%	97.5%	96.8%
SAU800540	MAV102937	57%	96.7%	95.4%
SAU800540	MBV100917	55%	96.7%	95.4%
SAU800540	MLP101147	52%	96.7%	95.4%
SAU800540	MTU200649	55%	96.7%	95.4%
SAU800540	MGE100372	47%	96.7%	95.1%
SAU800540	MPN100303	45%	95.9%	94.3%
SAU800540	NGO101640	63%	96.7%	95.9%
SAU800540	NME200137	63%	96.7%	95.9%
SAU800540	PMU101738	62%	97.5%	96.7%
SAU800540	PRT100056	55%	96.7%	95.9%
SAU800540	PAE204269	57%	97.5%	96.7%
SAU800540	PPU104475	59%	97.5%	96.7%
SAU800540	PSY108092	58%	51.6%	98.4%
SAU800540	SPA107849	59%	96.7%	95.9%
SAU800540	STY102674	59%	96.7%	95.9%
SAU800540	STM107215	59%	96.7%	95.9%
SAU800540	SAU800540	100%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800540	SEP201884	95%	100%	100%
SAU800540	SHA101634	94%	100%	100%
SAU800540	SMU100975	67%	98.4%	97.5%
SAU800540	SPN401210	69%	98.4%	93.7%
SAU800540	SPY200815	69%	98.4%	97.5%
SAU800540	TPA100237	53%	97.5%	96.1%
SAU800540	UUR100009	54%	95.9%	94.2%
SAU800540	VCH100322	60%	97.5%	96.7%
SAU800540	YPS005201	55%	96.7%	95.1%
SAU800541	ABA105495	27%	87.6%	51.9%
SAU800541	BAN109779	34%	98.5%	98.5%
SAU800541	BAN106573	47%	98.5%	98.0%
SAU800541	CAC102355	23%	60.9%	63.6%
SAU800541	CDP100325	25%	55.9%	21.5%
SAU800541	EBC100359	32%	90.1%	78.8%
SAU800541	EFA202368	47%	99.0%	97.5%
SAU800541	EFM103156	61%	23.3%	97.9%
SAU800541	ECO104257	31%	82.7%	47.2%
SAU800541	HIN100011	36%	64.9%	39.1%
SAU800541	KPN302168	31%	76.2%	46.3%
SAU800541	LMO100106	48%	99.0%	98.0%
SAU800541	MCA101670	29%	83.2%	77.0%
SAU800541	MAV100438	32%	38.1%	32.8%
SAU800541	PMU100958	35%	64.9%	39.3%
SAU800541	PRT100948	27%	83.2%	48.4%
SAU800541	PAE202177	33%	59.9%	42.4%
SAU800541	PPU108553	28%	90.1%	48.4%
SAU800541	PSY109074	27%	90.6%	48.7%
SAU800541	SPA102412	24%	95.5%	50.1%
SAU800541	STY104541	31%	82.7%	47.4%
SAU800541	SAU800541	100%	100%	100%
SAU800541	SEP201885	71%	99.5%	99.5%
SAU800541	SHA101635	73%	99.5%	99.5%
SAU800541	SMU100923	46%	98.0%	96.5%
SAU800541	SPN400743	45%	98.0%	97.4%
SAU800541	SPY200944	45%	98.0%	97.0%
SAU800541	VCH100611	27%	87.6%	50.3%
SAU800541	YPS001891	28%	82.7%	42.3%
SAU800542	ABA104003	60%	8.5%	1.8%
SAU800542	BAN107104	46%	84.2%	84.9%
SAU800542	BAN105134	79%	99.9%	99.8%
SAU800542	BFR12467	42%	93.2%	98.5%
SAU800542	BPT100051	47%	95.8%	98.5%
SAU800542	BBU100388	48%	96.5%	98.7%
SAU800542	BCE104307	45%	95.8%	99.1%
SAU800542	BFU100849	45%	82.4%	96.9%
SAU800542	BMA104886	46%	95.8%	99.1%
SAU800542	CJU100443	41%	96.4%	99.3%
SAU800542	CPN200682	47%	28.5%	77.9%
SAU800542	CTR200581	47%	95.8%	99.3%
SAU800542	CAC102610	64%	98.7%	95.2%
SAU800542	CBO100154	64%	99.3%	96.5%
SAU800542	CDF100552	66%	97.4%	94.3%
SAU800542	CDP100874	62%	8.0%	0.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800542	EBC101233	48%	74.4%	93.7%
SAU800542	EFA200805	73%	99.7%	98.1%
SAU800542	EFM202205	73%	100%	98.0%
SAU800542	ECO103885	53%	0.8%	6.9%
SAU800542	HIN100494	60%	1.1%	6.1%
SAU800542	KPN302483	48%	91.2%	100%
SAU800542	LPN101720	62%	5.7%	95.7%
SAU800542	LMO101542	79%	99.2%	98.4%
SAU800542	MCA101003	47%	96.3%	99.5%
SAU800542	MAV102933	61%	8.0%	1.0%
SAU800542	MBV100910	60%	6.1%	0.6%
SAU800542	MLP101145	61%	8.0%	1.0%
SAU800542	MTU200664	60%	6.1%	0.6%
SAU800542	MGE100350	44%	4.1%	0.3%
SAU800542	MPN100326	45%	4.1%	0.3%
SAU800542	NME200136	51%	11.7%	0.9%
SAU800542	PMU101737	53%	0.2%	7.6%
SAU800542	PAE204268	47%	96.2%	99.5%
SAU800542	PPU104497	45%	96.2%	99.5%
SAU800542	PSY103339	46%	96.2%	99.5%
SAU800542	SPA102792	59%	8.5%	2.5%
SAU800542	STY102671	47%	96.2%	99.5%
SAU800542	STM102058	47%	96.2%	99.5%
SAU800542	SAU800542	100%	100%	100%
SAU800542	SEP201886	97%	100%	100%
SAU800542	SHA101636	90%	95.8%	100%
SAU800542	SMU100556	69%	98.3%	97.9%
SAU800542	SPN401775	68%	98.3%	95.6%
SAU800542	SPY200071	67%	100%	99.8%
SAU800542	TPA100238	48%	96.4%	97.9%
SAU800542	UUR100187	47%	2.9%	9.8%
SAU800542	VCH100323	47%	96.2%	97.0%
SAU800542	YPS000489	53%	0.8%	6.9%
SAU800543	ABA100041	37%	11.4%	74.4%
SAU800543	ABA104621	52%	97.3%	95.8%
SAU800543	BAN107772	44%	99.5%	99.6%
SAU800543	BAN101907	76%	100%	99.9%
SAU800543	BFR102987	53%	98.0%	97.5%
SAU800543	BPT101163	54%	99.3%	96.8%
SAU800543	BBU100387	55%	98.4%	99.3%
SAU800543	BCE108518	60%	47.9%	97.2%
SAU800543	BFU100842	52%	81.6%	62.0%
SAU800543	BMA101246	50%	97.3%	95.8%
SAU800543	CJU100444	47%	98.3%	98.8%
SAU800543	CPN200681	50%	97.9%	96.9%
SAU800543	CTR200580	54%	97.9%	97.1%
SAU800543	CAC100576	63%	98.5%	98.2%
SAU800543	CBO100117	64%	99.3%	99.3%
SAU800543	CDF100550	63%	98.7%	99.7%
SAU800543	CDP100877	50%	7.0%	0.4%
SAU800543	EBC103916	54%	99.4%	97.3%
SAU800543	EFA200807	72%	99.8%	98.8%
SAU800543	EFM200070	70%	97.6%	100%
SAU800543	ECO103886	52%	97.8%	96.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800543	HIN100493	54%	99.3%	96.9%
SAU800543	HPY101181	53%	97.4%	51.2%
SAU800543	KPN300484	37%	12.2%	90.6%
SAU800543	KPN302484	52%	97.8%	96.1%
SAU800543	LPN100508	64%	44.2%	98.3%
SAU800543	LMO101517	76%	99.6%	99.7%
SAU800543	MCA101004	50%	97.6%	94.9%
SAU800543	MAV102932	52%	7.0%	0.5%
SAU800543	MBV100906	52%	7.0%	0.5%
SAU800543	MLP101144	52%	7.0%	0.5%
SAU800543	MTU200665	52%	7.0%	0.5%
SAU800543	MGE100349	44%	98.8%	98.7%
SAU800543	MPN100327	45%	98.1%	98.2%
SAU800543	NGO101637	54%	78.1%	38.1%
SAU800543	NME200135	51%	99.5%	98.6%
SAU800543	PMU101736	53%	97.3%	95.0%
SAU800543	PRT104687	54%	78.1%	41.2%
SAU800543	PAE204267	49%	99.8%	98.6%
SAU800543	PPU104498	48%	99.5%	97.5%
SAU800543	PSY103340	48%	99.5%	98.2%
SAU800543	SPA101954	44%	65.5%	100%
SAU800543	STY102668	52%	97.8%	96.1%
SAU800543	STM102060	52%	97.8%	96.1%
SAU800543	SAU800543	100%	100%	100%
SAU800543	SEP201887	95%	100%	100%
SAU800543	SHA100756	90%	6.8%	74.5%
SAU800543	SHA101637	95%	100%	100%
SAU800543	SMU100552	68%	98.4%	98.2%
SAU800543	SPN401774	68%	100%	98.8%
SAU800543	SPY200072	67%	99.9%	99.2%
SAU800543	TPA100239	54%	98.4%	97.0%
SAU800543	UUR100188	44%	97.6%	98.5%
SAU800543	VCH100324	51%	97.8%	96.4%
SAU800543	YPS000478	52%	99.5%	97.6%
SAU800545	ABA100053	58%	99.3%	100%
SAU800545	BAN100648	83%	100%	97.9%
SAU800545	BFR10866	77%	54.7%	88.2%
SAU800545	BPT100844	67%	99.3%	98.4%
SAU800545	BBU100386	71%	99.3%	99.2%
SAU800545	BCE108786	66%	99.3%	97.6%
SAU800545	BFU100844	65%	99.3%	97.6%
SAU800545	BMA100034	66%	99.3%	97.6%
SAU800545	CJU100456	65%	99.3%	96.1%
SAU800545	CPN200197	63%	99.3%	100%
SAU800545	CTR200713	66%	99.3%	100%
SAU800545	CAC103453	66%	99.3%	98.4%
SAU800545	CBO102727	67%	99.3%	98.4%
SAU800545	CDF102422	75%	99.3%	95.1%
SAU800545	CDP100904	66%	99.3%	90.4%
SAU800545	EBC102897	65%	99.3%	99.2%
SAU800545	EFA202015	85%	99.3%	99.3%
SAU800545	ECO103265	65%	99.3%	99.2%
SAU800545	HIN100561	66%	99.3%	99.2%
SAU800545	HPY101180	65%	99.3%	91.1%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800545	KPN200561	66%	99.3%	99.2%
SAU800545	LMO101449	87%	99.3%	99.3%
SAU800545	MCA100230	61%	99.3%	99.2%
SAU800545	MAV102944	64%	100%	100%
SAU800545	MBV103315	64%	99.3%	99.2%
SAU800545	MLP101142	63%	100%	100%
SAU800545	MTU200679	64%	99.3%	99.2%
SAU800545	MGE100089	74%	99.3%	97.8%
SAU800545	MPN100606	72%	99.3%	97.8%
SAU800545	NGO101631	63%	99.3%	100%
SAU800545	NME200131	63%	99.3%	100%
SAU800545	PMU101354	65%	100%	100%
SAU800545	PRT103411	59%	87.6%	100%
SAU800545	PAE204266	67%	99.3%	100%
SAU800545	PPU112031	68%	99.3%	100%
SAU800545	PSY103389	69%	99.3%	100%
SAU800545	SPA102395	65%	99.3%	99.2%
SAU800545	STY101779	65%	99.3%	99.2%
SAU800545	SAU800545	100%	100%	100%
SAU800545	SEP201889	94%	100%	100%
SAU800545	SHA101640	97%	100%	100%
SAU800545	SMU100684	83%	99.3%	99.3%
SAU800545	SPN400248	82%	99.3%	99.3%
SAU800545	SPY200200	82%	99.3%	99.3%
SAU800545	TPA100240	64%	99.3%	99.2%
SAU800545	UUR100531	73%	99.3%	96.5%
SAU800545	VCH100354	64%	100%	100%
SAU800545	YPS001825	66%	99.3%	99.2%
SAU800546	ABA100054	53%	100%	100%
SAU800546	BAN101047	67%	100%	100%
SAU800546	BAN102922	81%	100%	100%
SAU800546	BFR102620	47%	98.7%	89.2%
SAU800546	BPT100845	60%	100%	90.2%
SAU800546	BBU100385	49%	100%	100%
SAU800546	BCE114655	55%	100%	100%
SAU800546	BFU100845	56%	100%	100%
SAU800546	BMA108128	55%	100%	100%
SAU800546	CJU100457	56%	98.7%	99.4%
SAU800546	CPN200198	50%	100%	100%
SAU800546	CTR200712	49%	100%	100%
SAU800546	CAC101300	68%	100%	100%
SAU800546	CBO100058	72%	100%	90.7%
SAU800546	CDF100549	73%	100%	100%
SAU800546	CDP100907	60%	98.7%	99.4%
SAU800546	EBC102895	60%	100%	100%
SAU800546	EFA202013	78%	100%	100%
SAU800546	ECO103264	60%	100%	87.2%
SAU800546	HIN100560	60%	100%	100%
SAU800546	HPY101179	55%	98.7%	99.4%
SAU800546	KPN300871	62%	92.9%	86.8%
SAU800546	LMO101111	78%	100%	100%
SAU800546	MCA100231	50%	100%	100%
SAU800546	MAV102943	59%	100%	100%
SAU800546	MBV103316	60%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800546	MLP101141	60%	100%	100%
SAU800546	MTU200680	60%	100%	100%
SAU800546	MGE100090	62%	98.7%	99.4%
SAU800546	MPN100605	62%	98.7%	99.4%
SAU800546	NGO101627	58%	100%	100%
SAU800546	NME200130	58%	100%	100%
SAU800546	PMU101355	61%	100%	100%
SAU800546	PRT100252	58%	100%	100%
SAU800546	PAE204265	57%	100%	100%
SAU800546	PPU112217	57%	100%	100%
SAU800546	PSY106485	71%	24.4%	92.7%
SAU800546	SPA102393	54%	66.0%	91.2%
SAU800546	STY101780	60%	100%	100%
SAU800546	SAU800546	100%	100%	100%
SAU800546	SEP200070	100%	100%	100%
SAU800546	SHA102003	95%	25.6%	100%
SAU800546	SMU100686	75%	100%	100%
SAU800546	SPN400249	77%	100%	100%
SAU800546	SPY200201	75%	100%	100%
SAU800546	TPA100241	51%	100%	100%
SAU800546	UUR100530	68%	98.7%	99.4%
SAU800546	VCH100355	61%	100%	100%
SAU800546	YPS001851	60%	100%	100%
SAU800547	ABA100059	58%	88.0%	100%
SAU800547	BAN103750	78%	10.1%	95.9%
SAU800547	BAN113143	70%	76.8%	98.5%
SAU800547	BAN108186	79%	100%	99.0%
SAU800547	BFR12249	55%	63.2%	98.9%
SAU800547	BPT100846	60%	99.1%	99.3%
SAU800547	BBU100539	47%	98.3%	98.4%
SAU800547	BCE105443	59%	99.1%	99.3%
SAU800547	BFU100846	59%	99.1%	99.3%
SAU800547	BMA109643	59%	99.1%	99.3%
SAU800547	CJU100458	60%	99.9%	100%
SAU800547	CPN200199	57%	99.1%	99.6%
SAU800547	CTR200711	58%	99.1%	99.6%
SAU800547	CAC102763	63%	99.7%	100%
SAU800547	CBO100608	64%	99.4%	98%
SAU800547	CDF100548	65%	99.0%	99.4%
SAU800547	CDP100910	59%	99.0%	96.1%
SAU800547	EBC102893	59%	99.3%	99.4%
SAU800547	EFA202007	75%	99.9%	99.7%
SAU800547	ECO103263	59%	99.3%	99.4%
SAU800547	HIN100559	59%	99.7%	99.9%
SAU800547	HPY101178	62%	99.9%	100%
SAU800547	KPN303651	59%	99.1%	99.1%
SAU800547	LMO102926	78%	99.9%	99.3%
SAU800547	MCA100232	58%	99.4%	98.9%
SAU800547	MAV102942	60%	99.1%	98.7%
SAU800547	MBV103317	60%	99.1%	98.7%
SAU800547	MLP101140	60%	99.1%	98.7%
SAU800547	MTU200681	61%	99.1%	98.7%
SAU800547	MGE100091	61%	99.7%	100%
SAU800547	MPN100604	62%	99.7%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800547	NGO101623	57%	99.9%	100%
SAU800547	NME200129	57%	99.9%	100%
SAU800547	PMU101356	59%	99.7%	99.9%
SAU800547	PRT100253	58%	99.7%	94.2%
SAU800547	PAE202069	59%	99.4%	99.6%
SAU800547	PPU109182	58%	100%	100%
SAU800547	PSY103391	56%	93.8%	99.7%
SAU800547	SPA102789	57%	99.3%	99.4%
SAU800547	STY101781	59%	99.3%	99.4%
SAU800547	SAU800547	100%	100%	100%
SAU800547	SEP200071	95%	100%	100%
SAU800547	SMU100688	76%	100%	99.9%
SAU800547	SPN400250	76%	100%	99.9%
SAU800547	SPY200202	76%	100%	100%
SAU800547	TPA100759	44%	98.0%	97.4%
SAU800547	UUR100529	63%	99.1%	99.1%
SAU800547	VCH100356	60%	99.6%	99.9%
SAU800547	YPS001853	60%	99.3%	99.4%
SAU800548	ABA100233	74%	33.5%	98.5%
SAU800548	ABA100062	74%	99.5%	99.5%
SAU800548	BAN106076	81%	100%	100%
SAU800548	BFR12122	73%	99.7%	99.7%
SAU800548	BPT100044	75%	100%	100%
SAU800548	BPT100847	75%	100%	100%
SAU800548	BBU100475	62%	100%	98.3%
SAU800548	BCE112288	70%	15.7%	100%
SAU800548	BCE106056	75%	52.0%	99.0%
SAU800548	BCE108906	75%	100%	100%
SAU800548	BFU100267	70%	37.6%	100%
SAU800548	BFU100847	74%	100%	100%
SAU800548	BMA107343	76%	95.9%	100%
SAU800548	BMA106305	76%	100%	100%
SAU800548	CJU100435	73%	100%	100%
SAU800548	CPN200689	68%	99.5%	99.5%
SAU800548	CTR200588	67%	99.7%	98.5%
SAU800548	CAC103049	73%	100%	100%
SAU800548	CBO100671	69%	10.9%	95.6%
SAU800548	CBO101209	76%	59.1%	100%
SAU800548	CBO101304	73%	99.5%	99.5%
SAU800548	CDF100547	72%	100%	96.1%
SAU800548	CDP100912	71%	100%	100%
SAU800548	EBC101615	72%	33.8%	99.3%
SAU800548	EBC100362	79%	47.7%	100%
SAU800548	EBC102891	75%	99.7%	99.7%
SAU800548	EFA202006	89%	100%	100%
SAU800548	EFM100161	76%	71.3%	100%
SAU800548	ECO103262	75%	99.7%	99.7%
SAU800548	ECO103878	75%	99.7%	99.7%
SAU800548	HIN100558	76%	100%	100%
SAU800548	HIN100613	76%	100%	100%
SAU800548	HPY101188	74%	100%	100%
SAU800548	KPN300520	77%	23.6%	100%
SAU800548	KPN300653	75%	79.9%	99.7%
SAU800548	KPN300869	75%	99.7%	99.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800548	LMO102516	84%	100%	100%
SAU800548	MCA100162	75%	99.5%	99.5%
SAU800548	MAV102941	72%	100%	100%
SAU800548	MBV103318	72%	100%	100%
SAU800548	MLP101139	71%	100%	100%
SAU800548	MTU200682	72%	100%	100%
SAU800548	MGE100460	70%	100%	100%
SAU800548	MPN100177	70%	100%	100%
SAU800548	NGO101620	77%	99.7%	99.7%
SAU800548	NGO101673	77%	99.7%	99.7%
SAU800548	NME200143	78%	99.7%	99.7%
SAU800548	NME200128	78%	99.7%	99.7%
SAU800548	PMU101746	74%	100%	100%
SAU800548	PMU101357	75%	100%	100%
SAU800548	PRT100737	76%	24.6%	100%
SAU800548	PRT100321	75%	99.7%	99.7%
SAU800548	PAE204275	73%	100%	100%
SAU800548	PAE204263	73%	100%	100%
SAU800548	PPU104463	71%	76.9%	100%
SAU800548	PPU104501	71%	100%	100%
SAU800548	PSY107231	71%	99.7%	99.7%
SAU800548	SPA104331	69%	39.3%	99.4%
SAU800548	SPA102798	74%	99.7%	99.7%
SAU800548	STY102689	74%	99.7%	99.7%
SAU800548	STY101782	74%	99.7%	99.7%
SAU800548	STM102043	74%	99.7%	99.7%
SAU800548	SAU800548	100%	100%	100%
SAU800548	SEP200072	96%	100%	100%
SAU800548	SHA101389	97%	100%	100%
SAU800548	SMU101538	74%	99.5%	99.5%
SAU800548	SPN401342	74%	99.5%	99.5%
SAU800548	SPY200441	74%	99.5%	99.5%
SAU800548	TPA100185	65%	99.7%	79.6%
SAU800548	UUR100528	71%	98.7%	98.7%
SAU800548	VCH100316	76%	99.7%	99.7%
SAU800548	VCH100357	76%	99.7%	99.7%
SAU800548	YPS001855	75%	99.7%	99.7%
SAU800548	YPS000510	77%	100%	100%
SAU800550	ABA100563	32%	92.4%	92.5%
SAU800550	BAN108626	73%	98.7%	100%
SAU800550	BAN106368	77%	99.2%	96.0%
SAU800550	BFR10641	41%	99.2%	95.9%
SAU800550	BPT103090	35%	91.1%	88.4%
SAU800550	BCE109390	26%	26.4%	82.4%
SAU800550	BCE113483	40%	100%	97.0%
SAU800550	BFU101208	40%	100%	97.0%
SAU800550	BMA100519	39%	100%	97.0%
SAU800550	CJU100275	27%	84.3%	85.5%
SAU800550	CPN200794	29%	90.1%	90.3%
SAU800550	CDP100242	31%	96.9%	93.7%
SAU800550	EBC102199	41%	99.0%	95.7%
SAU800550	EFM202467	69%	100%	96.7%
SAU800550	ECO103539	41%	99.0%	95.7%
SAU800550	HIN101522	32%	89.8%	90.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800550	KPN303387	40%	99.0%	95.7%
SAU800550	LPN100930	26%	90.1%	82.0%
SAU800550	MCA100378	30%	87.2%	85%
SAU800550	MAV103993	32%	84.3%	82.9%
SAU800550	MBV102883	33%	98.4%	48.6%
SAU800550	MLP100753	34%	84.3%	82.1%
SAU800550	MTU200032	33%	98.4%	48.6%
SAU800550	NGO101594	33%	74.7%	96.9%
SAU800550	NME201859	32%	86.9%	87.9%
SAU800550	PMU101901	32%	93.5%	93.0%
SAU800550	PRT102489	42%	99.0%	95.5%
SAU800550	PAE200500	35%	95.0%	90.0%
SAU800550	PPU107457	37%	92.7%	90.3%
SAU800550	PSY103313	36%	87.7%	95.4%
SAU800550	SPA104075	40%	96.3%	94.1%
SAU800550	STY100333	41%	99.0%	95.7%
SAU800550	STM102073	34%	91.9%	90.6%
SAU800550	SAU800550	100%	100%	100%
SAU800550	SHA101391	93%	100%	96.2%
SAU800550	VCH103606	42%	99.2%	96.2%
SAU800550	YPS001508	43%	99.0%	94.5%
SAU800551	ABA101220	58%	96.6%	97.3%
SAU800551	BAN102049	22%	77.1%	98.6%
SAU800551	BAN102184	22%	77.1%	98.6%
SAU800551	BFR104991	23%	75.7%	97.4%
SAU800551	BPT100429	24%	80.8%	99.5%
SAU800551	BCE101252	61%	99.0%	99.3%
SAU800551	BMA103820	26%	71.6%	89.8%
SAU800551	EFA202431	24%	38.7%	48.7%
SAU800551	EFM202602	25%	68.2%	85.3%
SAU800551	ECO101931	56%	96.6%	97.9%
SAU800551	MCA102445	25%	72.3%	92.3%
SAU800551	MAV102283	22%	70.2%	87.7%
SAU800551	PAE201134	60%	96.6%	97.3%
SAU800551	PPU111301	22%	71.6%	90.2%
SAU800551	PSY102809	24%	77.4%	96.4%
SAU800551	SAU800551	100%	100%	100%
SAU800551	SEP202065	26%	68.8%	84.3%
SAU800551	SHA102397	23%	51.4%	60.1%
SAU800555	BAN109841	26%	96.9%	91.5%
SAU800555	CBO100592	24%	91.6%	88.5%
SAU800555	EFA200270	24%	93.0%	87.2%
SAU800555	MLP101061	24%	58.1%	37.0%
SAU800555	MTU202199	23%	48.9%	94.1%
SAU800555	NME200581	32%	44.9%	62.9%
SAU800555	STM103706	29%	58.1%	84.0%
SAU800555	SAU800555	100%	100%	100%
SAU800555	SEP200091	67%	99.6%	97.8%
SAU800555	SHA101303	61%	99.6%	97.0%
SAU800555	YPS002018	30%	58.1%	84.0%
SAU800561	BAN100965	21%	30.7%	16.5%
SAU800561	BAN111001	20%	63.5%	67.3%
SAU800561	BAN109365	19%	19.1%	37.5%
SAU800561	BFR100579	18%	10.0%	13.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800561	BFR102947	19%	10.0%	16.5%
SAU800561	BFR101444	18%	11.3%	19.3%
SAU800561	BBU100325	21%	21.7%	19.2%
SAU800561	BFU103969	74%	2.8%	39.8%
SAU800561	BMA103470	49%	10.6%	32.7%
SAU800561	BMA101165	47%	7.9%	15.2%
SAU800561	BMA104606	30%	16.6%	64.3%
SAU800561	CJU101103	20%	23.8%	25.8%
SAU800561	CPN200033	15%	12.6%	19.6%
SAU800561	CAC102616	26%	18.0%	82.7%
SAU800561	CBO103272	17%	24.9%	65.8%
SAU800561	CBO103679	27%	10.8%	20.8%
SAU800561	CDF101661	25%	20.5%	89.2%
SAU800561	CDP102558	31%	7.7%	6.4%
SAU800561	CDP101308	33%	24.7%	25.7%
SAU800561	CDP101991	34%	24.0%	14.7%
SAU800561	EFA203524	21%	53.9%	78.5%
SAU800561	EFM201664	22%	22.1%	74.6%
SAU800561	EFM201584	17%	12.1%	47.6%
SAU800561	HPY200074	16%	21.7%	26.6%
SAU800561	KPN206267	43%	54.6%	44.6%
SAU800561	LPN101461	33%	52.0%	60.9%
SAU800561	LMO102167	44%	23.0%	44.5%
SAU800561	MCA100440	42%	8.7%	6.0%
SAU800561	MAV104123	28%	5.7%	57.1%
SAU800561	MBV101055	34%	7.3%	7.9%
SAU800561	MLP100905	33%	4.1%	9.0%
SAU800561	MTU202408	34%	7.3%	7.6%
SAU800561	MGE100318	23%	21.9%	20.2%
SAU800561	MPN100275	12%	20.6%	15.5%
SAU800561	NME201599	17%	8.4%	12.6%
SAU800561	PAE203113	23%	17.4%	22.7%
SAU800561	PSY103818	30%	14.0%	57.4%
SAU800561	SPA103181	24%	10.5%	39.9%
SAU800561	STM102835	24%	16.3%	12.0%
SAU800561	SAU800563	49%	97.5%	6.6%
SAU800561	SAU800562	65%	65.5%	34.3%
SAU800561	SAU800561	100%	100%	100%
SAU800561	SEP200110	39%	89.7%	13.9%
SAU800561	SHA100540	33%	16.1%	98.3%
SAU800561	SHA102998	33%	16.1%	80.1%
SAU800561	SHA100562	48%	58.0%	13.4%
SAU800561	SMU100747	21%	65.3%	97.7%
SAU800561	SMU102548	21%	60.7%	29.6%
SAU800561	SPN401402	21%	8.1%	68.6%
SAU800561	SPY201545	20%	25.1%	63.1%
SAU800561	TPA100366	42%	2.7%	36.2%
SAU800562	BAN100965	25%	5.7%	7.2%
SAU800562	BAN110134	23%	34.7%	51.3%
SAU800562	BAN111001	19%	66.6%	69.3%
SAU800562	BAN109365	18%	65.4%	22.0%
SAU800562	BAN104198	20%	40.1%	43.1%
SAU800562	BFR100579	19%	7.1%	14.3%
SAU800562	BFR102947	19%	8.6%	16.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800562	BFR101444	18%	7.8%	19.3%
SAU800562	BBU100545	25%	12.3%	67.8%
SAU800562	BBU100325	19%	16.8%	19.2%
SAU800562	BFU103969	53%	9.5%	39.8%
SAU800562	BMA104606	30%	14.9%	49.4%
SAU800562	BMA103470	49%	16.2%	32.7%
SAU800562	BMA101165	47%	7.3%	15.2%
SAU800562	CJU101103	20%	17.2%	31.5%
SAU800562	CPN200033	14%	59.6%	34.6%
SAU800562	CAC102616	20%	14.4%	99.5%
SAU800562	CBO103272	16%	18.7%	72.8%
SAU800562	CBO103679	24%	6.3%	18.8%
SAU800562	CDF102641	20%	54.5%	78.4%
SAU800562	CDF101661	26%	22.2%	55.7%
SAU800562	CDP101308	26%	32.2%	56.5%
SAU800562	CDP101991	31%	36.5%	30.2%
SAU800562	EFA203524	22%	44.2%	88.2%
SAU800562	EFM201062	38%	5.0%	65.1%
SAU800562	EFM201664	25%	26.3%	78.5%
SAU800562	EFM201584	16%	8.3%	47.6%
SAU800562	EFM201162	27%	36.6%	16.2%
SAU800562	HPY200074	17%	18.2%	30.3%
SAU800562	KPN206267	51%	33.1%	38.8%
SAU800562	LPN101461	36%	64.8%	46.3%
SAU800562	LMO102167	46%	17.3%	47.0%
SAU800562	MCA100440	42%	3.1%	6.0%
SAU800562	MAV104123	29%	1.2%	57.1%
SAU800562	MBV101055	32%	4.1%	10.4%
SAU800562	MLP100905	32%	2.8%	9.0%
SAU800562	MTU202408	32%	4.1%	10.0%
SAU800562	MGE100318	21%	64.0%	40.1%
SAU800562	MPN100275	11%	17.3%	22.6%
SAU800562	NME100865	22%	28.2%	70.4%
SAU800562	PAE203113	22%	11.0%	24.3%
SAU800562	PSY101467	15%	13.9%	47.5%
SAU800562	PSY108790	15%	60.5%	17.8%
SAU800562	PSY103818	29%	7.9%	56.8%
SAU800562	SPA103181	24%	0.5%	32.9%
SAU800562	STM102835	22%	2.5%	30.5%
SAU800562	SAU800562	100%	100%	100%
SAU800562	SEP200110	41%	46.4%	7.5%
SAU800562	SHA100540	33%	18.1%	85.7%
SAU800562	SHA102998	28%	97.1%	62.1%
SAU800562	SHA100562	50%	96.4%	87.2%
SAU800562	SMU102548	23%	18.1%	20.7%
SAU800562	SMU100747	28%	12.1%	27.4%
SAU800562	SPN401402	22%	12.8%	30.5%
SAU800562	SPY201545	20%	19.3%	70.2%
SAU800566	BFR10892	23%	46.2%	11.2%
SAU800566	BPT101393	33%	87.0%	94.7%
SAU800566	BCE106700	35%	89.0%	89.5%
SAU800566	BFU102591	36%	89.0%	96.6%
SAU800566	BMA107940	35%	89.0%	91.1%
SAU800566	KPN108431	19%	88.7%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800566	NGO100865	35%	89.0%	99.2%
SAU800566	NME200935	35%	89.0%	99.2%
SAU800566	PAE205534	18%	84.2%	92.6%
SAU800566	PPU111596	29%	33.9%	29.0%
SAU800566	PSY105601	24%	48.3%	49.5%
SAU800566	SAU800566	100%	100%	100%
SAU800566	SEP200115	88%	100%	100%
SAU800566	SHA101796	89%	100%	100%
SAU800588	ABA104878	45%	94.8%	42.9%
SAU800588	BAN106141	49%	97.0%	100%
SAU800588	BAN102570	62%	99.7%	100%
SAU800588	BFR101415	45%	99.7%	98.2%
SAU800588	BBU100588	34%	90.5%	88.4%
SAU800588	BCE113410	43%	80.5%	94.7%
SAU800588	BFU103363	43%	98.2%	94.5%
SAU800588	CJU100638	47%	96.3%	62.7%
SAU800588	CAC102832	44%	98.8%	98.5%
SAU800588	CBO102063	52%	50%	90.4%
SAU800588	CDF102626	25%	92.1%	87.1%
SAU800588	CDP101294	50%	97.0%	69.2%
SAU800588	EBC104962	42%	94.8%	43.1%
SAU800588	EFA202248	59%	99.1%	98.8%
SAU800588	EFM200028	53%	62.2%	99.5%
SAU800588	ECO102255	42%	94.8%	43.0%
SAU800588	HIN101176	44%	94.8%	43.2%
SAU800588	HPY200837	47%	97.3%	60.9%
SAU800588	KPN305976	42%	94.8%	43.2%
SAU800588	LPN102073	25%	90.5%	57.7%
SAU800588	LMO100950	62%	99.7%	99.4%
SAU800588	MCA101508	44%	98.2%	64.8%
SAU800588	MAV101929	47%	93.9%	43.9%
SAU800588	MBV102834	47%	94.5%	44.5%
SAU800588	MTU200407	47%	94.5%	44.5%
SAU800588	MGE100305	40%	99.1%	99.4%
SAU800588	MPN100413	40%	99.1%	99.4%
SAU800588	NGO100804	45%	94.8%	61.4%
SAU800588	NME200777	45%	94.8%	61.4%
SAU800588	PMU100705	44%	94.8%	43.1%
SAU800588	PRT100628	45%	94.2%	43.1%
SAU800588	PAE200834	43%	94.2%	43.3%
SAU800588	PPU103956	40%	94.8%	44.6%
SAU800588	PSY102379	39%	97.3%	46.1%
SAU800588	SPA101028	57%	37.8%	86.9%
SAU800588	STY100983	42%	94.8%	43.0%
SAU800588	STM100723	42%	94.8%	43.0%
SAU800588	SAU800588	100%	100%	100%
SAU800588	SEP200137	87%	100%	100%
SAU800588	SHA101700	84%	100%	100%
SAU800588	SMU100210	58%	98.8%	97.3%
SAU800588	SPN401007	55%	99.1%	99.1%
SAU800588	SPY200858	56%	99.1%	97.6%
SAU800588	TPA100093	37%	94.2%	94.3%
SAU800588	UUR100064	25%	80.5%	87.7%
SAU800588	VCH101078	44%	95.4%	43.3%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800588	YPS000496	43%	94.8%	42.8%
SAU800589	BAN101408	59%	43.9%	91.1%
SAU800589	BAN105953	46%	73.7%	97.3%
SAU800589	BAN102397	52%	94.2%	94.3%
SAU800589	EFA201382	39%	80.9%	81.3%
SAU800589	LMO102312	42%	94.2%	95.3%
SAU800589	PAE204284	28%	41.0%	52.9%
SAU800589	PPU107435	21%	53.6%	63.2%
SAU800589	SAU800589	100%	100%	100%
SAU800589	SEP200138	82%	99.6%	99.3%
SAU800589	SHA101701	86%	98.2%	97.5%
SAU800589	SPY200934	37%	87.1%	85.9%
SAU800591	BBU100685	32%	95.7%	96.8%
SAU800591	EFA200383	56%	99.1%	94.7%
SAU800591	EFM202057	56%	98.8%	99.1%
SAU800591	LPN101401	32%	87.2%	91.1%
SAU800591	LMO100508	50%	91.1%	91.6%
SAU800591	SAU800591	100%	100%	100%
SAU800591	SEP200140	72%	100%	100%
SAU800591	SHA101704	73%	100%	100%
SAU800591	SMU100935	37%	91.4%	90.6%
SAU800591	SPN400339	39%	89.6%	82.8%
SAU800591	SPY200652	41%	90.5%	91.7%
SAU800592	BBU100686	22%	49.7%	52.4%
SAU800592	EFA200384	44%	100%	97.0%
SAU800592	EFM200671	45%	100%	98.6%
SAU800592	LMO101877	38%	98.3%	95.8%
SAU800592	SAU800592	100%	100%	100%
SAU800592	SEP200141	79%	100%	100%
SAU800592	SHA101705	79%	59.8%	100%
SAU800592	SMU100938	29%	97.8%	97.6%
SAU800592	SPN400340	27%	97.8%	96.7%
SAU800592	SPY200653	27%	96.1%	94.9%
SAU800593	BAN113008	60%	65.5%	100%
SAU800593	BAN105544	62%	63.7%	100%
SAU800593	BMA108446	27%	41.6%	14.9%
SAU800593	BMA103867	25%	53.1%	14.6%
SAU800593	BMA106771	24%	64.6%	14.9%
SAU800593	SAU800593	100%	100%	100%
SAU800593	SEP200142	84%	100%	100%
SAU800593	SHA100809	88%	98.2%	98.2%
SAU800593	SPN401580	54%	30.1%	33.7%
SAU800600	ABA101949	30%	92.9%	89.5%
SAU800600	BAN104442	45%	96.5%	99.3%
SAU800600	BAN102029	44%	97.8%	98.7%
SAU800600	BFR100585	29%	95.8%	83.5%
SAU800600	BPT100971	31%	95.5%	86.9%
SAU800600	BBU100527	29%	93.3%	89.8%
SAU800600	BCE111954	31%	87.8%	87.5%
SAU800600	BFU109580	33%	97.8%	93.6%
SAU800600	BFU100521	34%	95.5%	91.2%
SAU800600	BFU100523	36%	92.6%	89.4%
SAU800600	BMA108987	27%	96.5%	96.6%
SAU800600	CBO101231	26%	96.2%	73.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800600	CDF101932	26%	98.1%	74.0%
SAU800600	CDP100172	25%	97.1%	88.5%
SAU800600	EBC102052	31%	97.1%	91.6%
SAU800600	EFM202426	53%	97.4%	98.1%
SAU800600	ECO101739	33%	97.1%	97.2%
SAU800600	HPY101176	31%	86.2%	83.3%
SAU800600	KPN304964	31%	98.1%	93.7%
SAU800600	LPN100428	33%	98.1%	93.2%
SAU800600	LMO100594	30%	98.1%	95.8%
SAU800600	MAV104842	33%	97.1%	93.3%
SAU800600	MBV103911	31%	83.0%	70.7%
SAU800600	MLP100283	32%	94.2%	88.0%
SAU800600	MTU202264	31%	83.0%	77.7%
SAU800600	PAE202533	33%	94.2%	90.6%
SAU800600	PPU106661	27%	95.8%	94.9%
SAU800600	PSY100479	33%	93.6%	89.7%
SAU800600	SPA101563	32%	93.6%	93.4%
SAU800600	STY103216	33%	98.4%	93.9%
SAU800600	STM100076	29%	94.9%	94.5%
SAU800600	SAU800600	100%	100%	100%
SAU800600	SEP200145	78%	99.7%	99.7%
SAU800600	SHA100813	79%	99.7%	100%
SAU800600	SMU100710	28%	84.3%	95.4%
SAU800600	VCH100654	31%	97.8%	94.9%
SAU800600	YPS002522	35%	96.2%	91.8%
SAU800601	BAN113282	46%	66.9%	95.9%
SAU800601	BAN101095	43%	96.1%	93.9%
SAU800601	BPT103683	23%	61.2%	51.4%
SAU800601	BFU105807	30%	36.5%	18.0%
SAU800601	BMA104764	23%	50.6%	44.8%
SAU800601	CAC103679	29%	51.1%	47.9%
SAU800601	CAC102966	25%	93.3%	92.4%
SAU800601	CAC100169	29%	51.1%	47.9%
SAU800601	CBO102960	31%	49.4%	50.3%
SAU800601	CDF102353	26%	50.6%	49.5%
SAU800601	ECO100876	27%	51.7%	47.4%
SAU800601	KPN203154	41%	16.3%	11.2%
SAU800601	LMO101606	22%	77.5%	75.4%
SAU800601	SAU800601	100%	100%	100%
SAU800601	SEP201386	39%	84.3%	96.7%
SAU800601	SHA100814	71%	99.4%	99.4%
SAU800601	SPN401766	45%	21.9%	17.9%
SAU800605	ABA103635	31%	93.5%	90.6%
SAU800605	BAN108675	67%	57.7%	100%
SAU800605	BAN104327	67%	100%	97.7%
SAU800605	BPT100337	27%	99.1%	96.2%
SAU800605	BCE114807	41%	99.4%	87.4%
SAU800605	BFU103004	41%	99.4%	99.1%
SAU800605	BMA100537	41%	99.4%	97.9%
SAU800605	CJU101457	30%	98.5%	94.1%
SAU800605	CDP101455	39%	99.4%	96.8%
SAU800605	EBC101366	68%	99.4%	98.8%
SAU800605	EFA200493	68%	99.7%	98.8%
SAU800605	EFM202247	24%	93.2%	91.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800605	ECO101449	69%	100%	96.5%
SAU800605	HIN100176	26%	96.7%	94.4%
SAU800605	HPY101087	26%	98.5%	95.7%
SAU800605	KPN305086	68%	99.4%	98.8%
SAU800605	LPN102926	33%	89.9%	87.9%
SAU800605	MCA102268	27%	82.4%	97.9%
SAU800605	MAV103580	26%	92.6%	90.8%
SAU800605	MBV103685	26%	92.6%	90.8%
SAU800605	MLP101064	28%	93.8%	87.8%
SAU800605	MTU203005	26%	92.6%	90.8%
SAU800605	MPN100278	26%	81.5%	79.5%
SAU800605	NGO101474	64%	99.4%	96.0%
SAU800605	NME200668	64%	99.4%	96.5%
SAU800605	PAE205422	42%	99.7%	98.0%
SAU800605	PPU110079	64%	100%	98.5%
SAU800605	PSY104861	32%	93.8%	90.4%
SAU800605	SPA101864	69%	100%	97.1%
SAU800605	STY104200	69%	100%	99.4%
SAU800605	STM100346	69%	100%	99.4%
SAU800605	SAU800605	100%	100%	100%
SAU800605	SEP200161	87%	99.4%	98.2%
SAU800605	SMU101451	27%	96.7%	96.0%
SAU800605	SPN400262	64%	100%	99.4%
SAU800605	SPY200034	60%	100%	99.4%
SAU800607	ABA102360	39%	93.5%	94.1%
SAU800607	BAN111999	37%	99.5%	99.6%
SAU800607	BAN110976	56%	100%	100%
SAU800607	BFR10875	22%	99.1%	99.5%
SAU800607	BPT101508	40%	99.6%	99.8%
SAU800607	BBU100593	25%	97.8%	97.3%
SAU800607	BCE100461	40%	98.7%	99.2%
SAU800607	BFU103077	40%	98.7%	99.2%
SAU800607	BMA100457	39%	98.9%	98.0%
SAU800607	CJU101100	35%	94.8%	96.8%
SAU800607	CPN200176	21%	95.8%	97.9%
SAU800607	CTR200729	20%	94.2%	95.2%
SAU800607	CAC101790	25%	94.2%	95.6%
SAU800607	CBO100741	23%	94.2%	95.6%
SAU800607	CDF104545	27%	95.8%	96.8%
SAU800607	CDP100057	41%	98.9%	98.4%
SAU800607	EBC101120	27%	40.1%	73.6%
SAU800607	EFA200290	24%	98.7%	99.5%
SAU800607	EFM201011	23%	94.2%	95.2%
SAU800607	ECO101844	25%	98.9%	99.7%
SAU800607	HIN101550	26%	98.9%	99.7%
SAU800607	HPY100315	38%	94.9%	97.0%
SAU800607	KPN301304	25%	98.9%	99.7%
SAU800607	LPN101161	41%	94.8%	95.2%
SAU800607	LMO101656	55%	100%	100%
SAU800607	MCA100331	26%	98.9%	99.7%
SAU800607	MAV106525	41%	97.3%	97.5%
SAU800607	MBV105559	40%	97.3%	97.5%
SAU800607	MLP100693	40%	94.6%	94.4%
SAU800607	MTU201275	40%	97.3%	97.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800607	MGE100389	31%	94.8%	96.5%
SAU800607	MPN100286	33%	94.0%	95.7%
SAU800607	NGO100228	24%	98.6%	99.3%
SAU800607	NME201566	23%	98.6%	99.3%
SAU800607	PMU100551	26%	95.7%	99.1%
SAU800607	PRT100545	25%	98.9%	99.7%
SAU800607	PAE205046	23%	98.9%	98.6%
SAU800607	PPU109126	23%	98.9%	98.6%
SAU800607	PSY103569	22%	99.3%	99.7%
SAU800607	SPA103053	24%	98.9%	99.7%
SAU800607	STY102666	25%	98.9%	99.7%
SAU800607	STM102429	25%	98.9%	99.7%
SAU800607	SAU800607	100%	100%	100%
SAU800607	SEP200171	84%	100%	100%
SAU800607	SHA101545	84%	100%	100%
SAU800607	SMU101264	26%	98.2%	98.9%
SAU800607	SPN401887	25%	98.7%	99.5%
SAU800607	SPY201643	25%	94.2%	95.4%
SAU800607	TPA100822	25%	94.2%	94.4%
SAU800607	UUR100280	39%	98.9%	99.6%
SAU800607	VCH102042	24%	98.9%	96.0%
SAU800607	YPS003380	26%	97.5%	99.0%
SAU800637	BAN101684	46%	96.6%	69.9%
SAU800637	BAN104283	51%	96.6%	47.6%
SAU800637	BPT102745	32%	73.9%	77.4%
SAU800637	BCE106238	39%	92.0%	81%
SAU800637	BFU103333	38%	89.8%	50.8%
SAU800637	BMA109972	36%	89.8%	53.9%
SAU800637	CJU101365	31%	87.5%	98.2%
SAU800637	CAC103450	36%	98.1%	63.5%
SAU800637	CDP101641	31%	88.3%	93.8%
SAU800637	EFA200265	52%	94.7%	58.6%
SAU800637	EFM200599	41%	97.7%	63.1%
SAU800637	KPN305026	45%	68.6%	97.8%
SAU800637	LPN103143	41%	75.4%	42.0%
SAU800637	LMO100876	50%	98.1%	79.9%
SAU800637	MAV105759	31%	87.5%	89.9%
SAU800637	MBV104256	31%	87.5%	88.3%
SAU800637	MLP100082	30%	87.5%	88.6%
SAU800637	MTU203726	31%	87.5%	88.3%
SAU800637	NME200186	37%	74.6%	89.8%
SAU800637	PMU100781	34%	75%	90.0%
SAU800637	PAE201385	37%	90.9%	56.9%
SAU800637	PPU108273	31%	93.6%	61.2%
SAU800637	PSY104047	37%	88.6%	52.0%
SAU800637	SPA103757	40%	70.8%	79.7%
SAU800637	STY101910	40%	70.8%	79.7%
SAU800637	STM101649	40%	70.8%	79.7%
SAU800637	SAU800637	100%	100%	100%
SAU800637	SEP200217	83%	100%	100%
SAU800637	SHA100118	81%	100%	100%
SAU800637	SMU100176	36%	94.3%	62.7%
SAU800637	SPY200583	37%	87.9%	59.1%
SAU800637	VCH100245	36%	79.2%	76.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800641	BFR11919	28%	87.9%	29.2%
SAU800641	BFR11393	28%	89.4%	29.6%
SAU800641	BPT100821	47%	27.3%	22.2%
SAU800641	BCE113991	28%	70.5%	59.0%
SAU800641	BFU109291	28%	70.5%	53.4%
SAU800641	BMA106229	29%	70.5%	59.0%
SAU800641	CJU101075	31%	97.0%	28.2%
SAU800641	EBC103920	30%	94.7%	27.5%
SAU800641	EFA201297	60%	96.2%	97.7%
SAU800641	EFM100213	57%	55.3%	91.5%
SAU800641	ECO102986	30%	94.7%	27.5%
SAU800641	HIN101495	29%	94.7%	27.5%
SAU800641	KPN308271	30%	94.7%	27.5%
SAU800641	LMO101198	71%	95.5%	99.2%
SAU800641	MAV104245	32%	90.2%	91.9%
SAU800641	NGO100989	31%	69.7%	56.0%
SAU800641	NME200331	30%	72.0%	57.7%
SAU800641	PMU100884	35%	51.5%	14.7%
SAU800641	SPA102480	30%	94.7%	28.3%
SAU800641	STY100790	30%	99.2%	28.7%
SAU800641	SAU800641	100%	100%	100%
SAU800641	SEP200670	94%	100%	100%
SAU800641	SHA100548	90%	78.0%	100%
SAU800641	YPS001982	33%	94.7%	27.5%
SAU800680	ABA104575	44%	94.1%	85.5%
SAU800680	BAN101585	39%	98.9%	97.4%
SAU800680	BAN112177	45%	98.4%	97.4%
SAU800680	BFR104201	41%	69.7%	89.1%
SAU800680	BPT100746	40%	95.2%	86.1%
SAU800680	BCE110211	45%	96.3%	93.8%
SAU800680	BFU106340	44%	93.6%	93.1%
SAU800680	BMA103155	45%	96.3%	92.8%
SAU800680	CJU100047	25%	65.4%	63.2%
SAU800680	CBO100465	48%	96.3%	94.3%
SAU800680	CDP102654	39%	92.6%	42.8%
SAU800680	EFA201956	41%	99.5%	96.4%
SAU800680	EFM202384	39%	83.5%	82.7%
SAU800680	KPN300536	54%	75.5%	100%
SAU800680	LPN102317	37%	93.6%	92.6%
SAU800680	MCA100065	41%	94.7%	84.4%
SAU800680	MAV103187	35%	80.9%	49.7%
SAU800680	MBV100232	37%	74.5%	91.4%
SAU800680	MLP100652	33%	93.1%	93.0%
SAU800680	MTU201189	36%	81.9%	81.8%
SAU800680	NGO101834	24%	90.4%	80.5%
SAU800680	NME202039	26%	79.3%	70.5%
SAU800680	PRT102028	46%	100%	97.9%
SAU800680	PAE204918	43%	96.3%	92.8%
SAU800680	PPU107578	41%	95.2%	91.8%
SAU800680	PSY104404	25%	94.7%	55.0%
SAU800680	SPA101481	20%	56.9%	24.8%
SAU800680	SAU800680	100%	100%	100%
SAU800680	SEP200723	81%	100%	100%
SAU800680	SHA100242	81%	100%	100%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800699	BAN102886	47%	98.4%	99.3%
SAU800699	BAN102711	48%	98.4%	99.3%
SAU800699	BBU100629	42%	98.0%	98.0%
SAU800699	BCE112651	28%	97.1%	89.6%
SAU800699	BMA107539	27%	95.8%	59.4%
SAU800699	CAC103266	34%	97.4%	98.7%
SAU800699	CBO101253	42%	97.4%	99.7%
SAU800699	CDF104515	43%	98.0%	99.0%
SAU800699	CDP100365	29%	91.5%	92.5%
SAU800699	EBC102987	29%	92.2%	92.3%
SAU800699	EFA201059	44%	98.0%	98.4%
SAU800699	EFM101242	43%	99.3%	100%
SAU800699	ECO101691	30%	95.8%	97.1%
SAU800699	HIN100427	30%	99.3%	99.0%
SAU800699	KPN300446	35%	36.3%	91.1%
SAU800699	KPN301962	28%	98.0%	99.0%
SAU800699	LMO100871	44%	99.7%	99.3%
SAU800699	MBV102255	26%	95.4%	87.9%
SAU800699	MLP100531	19%	88.2%	85.8%
SAU800699	MTU201996	26%	95.4%	87.9%
SAU800699	MGE100065	25%	81.4%	96.1%
SAU800699	MPN100076	26%	86.3%	87.3%
SAU800699	NME200956	20%	79.7%	75.9%
SAU800699	PMU101796	27%	96.1%	97.7%
SAU800699	PRT106003	29%	98.7%	98.1%
SAU800699	SPA103914	30%	99.0%	100%
SAU800699	STY100943	30%	99.0%	100%
SAU800699	STM101389	30%	99.0%	100%
SAU800699	SAU800699	100%	100%	100%
SAU800699	SEP200740	81%	100%	100%
SAU800699	SHA102369	77%	100%	100%
SAU800699	SMU100817	44%	99.0%	100%
SAU800699	SPN400779	46%	98.0%	99.0%
SAU800699	SPY200637	44%	98.0%	99.0%
SAU800699	YPS001092	28%	94.1%	93.3%
SAU800700	ABA102246	39%	76.5%	86.0%
SAU800700	BAN111327	40%	75.6%	100%
SAU800700	BAN110516	53%	98.0%	99.8%
SAU800700	BPT101778	24%	21.5%	90.3%
SAU800700	BBU100628	41%	96.8%	97.8%
SAU800700	BCE105566	24%	22.5%	96.7%
SAU800700	BFU103417	28%	21.8%	92.7%
SAU800700	BMA103307	28%	20.2%	76.2%
SAU800700	CTR200556	35%	22.5%	88.5%
SAU800700	CBO103578	46%	69.9%	97.6%
SAU800700	CDF102133	48%	98.3%	99.7%
SAU800700	CDP100375	34%	94.8%	97.7%
SAU800700	EBC101473	43%	75.5%	85.9%
SAU800700	EFA201062	49%	97.5%	98.9%
SAU800700	EFM202637	37%	95.2%	99.8%
SAU800700	ECO102126	44%	69.9%	79.4%
SAU800700	HIN100426	43%	70.2%	80.4%
SAU800700	KPN302673	43%	75.2%	85.1%
SAU800700	LMO101732	48%	98.2%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800700	MGE100064	34%	94.2%	94.7%
SAU800700	MPN100077	35%	93.6%	93.8%
SAU800700	NGO101941	33%	22.4%	97.3%
SAU800700	NME200870	34%	22.4%	97.3%
SAU800700	PRT101283	28%	22.7%	96.1%
SAU800700	PAE203558	39%	21.9%	3.8%
SAU800700	PPU101409	40%	21.9%	3.8%
SAU800700	PSY105144	41%	19.3%	0.9%
SAU800700	SPA103916	45%	69.6%	99.3%
SAU800700	STY103897	44%	70.1%	97.6%
SAU800700	STM101392	46%	69.6%	93.9%
SAU800700	SAU800700	100%	100%	100%
SAU800700	SEP200741	87%	100%	100%
SAU800700	SHA102370	86%	97.5%	99.8%
SAU800700	SMU100819	45%	97.5%	99.5%
SAU800700	SPN400780	46%	97.5%	99.4%
SAU800700	SPY200638	47%	97.9%	99.8%
SAU800700	TPA100084	34%	22.7%	100%
SAU800700	VCH103241	43%	21.5%	2.1%
SAU800700	YPS001094	41%	73.5%	82.7%
SAU800701	ABA101441	30%	25.2%	16.2%
SAU800701	BAN112706	37%	94.9%	98.1%
SAU800701	BAN109134	42%	98.5%	97.6%
SAU800701	BFR11566	30%	97.7%	97.9%
SAU800701	BFR11862	30%	97.7%	96.9%
SAU800701	BPT100372	30%	19.6%	14.9%
SAU800701	BBU100150	32%	99.0%	98.8%
SAU800701	BCE111462	37%	96.7%	97.5%
SAU800701	BFU102712	37%	96.7%	97.5%
SAU800701	BMA103808	36%	96.7%	97.5%
SAU800701	CAC100532	42%	97.7%	97.6%
SAU800701	CBO103032	42%	86.8%	88.9%
SAU800701	CDF103827	38%	97.7%	97.1%
SAU800701	CDP101711	34%	83.7%	82.7%
SAU800701	EBC101139	32%	96.4%	96.8%
SAU800701	EFA200139	36%	97.2%	97.4%
SAU800701	EFM101955	34%	49.1%	97.8%
SAU800701	ECO100660	28%	96.4%	96.9%
SAU800701	HIN100133	30%	93.4%	95.5%
SAU800701	KPN301179	29%	96.4%	96.9%
SAU800701	LPN100461	48%	8.4%	7.6%
SAU800701	LMO101310	41%	99.5%	100%
SAU800701	MAV101737	32%	93.4%	93.7%
SAU800701	MBV105301	33%	94.1%	95.0%
SAU800701	MTU203289	33%	94.1%	95.0%
SAU800701	PMU100874	32%	90.1%	92.9%
SAU800701	PRT102743	35%	97.7%	95.9%
SAU800701	PAE203755	35%	96.9%	98.9%
SAU800701	PPU106243	32%	17.6%	10.9%
SAU800701	SPA101690	26%	94.7%	97.4%
SAU800701	STY101830	29%	94.7%	96.4%
SAU800701	SAU800701	100%	100%	100%
SAU800701	SEP200742	70%	99.7%	99.7%
SAU800701	SHA102517	66%	98.7%	98.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800701	SMU100804	39%	86.0%	88.0%
SAU800701	SPN401864	35%	93.4%	93.5%
SAU800701	SPY201302	37%	93.6%	93.7%
SAU800701	VCH100977	33%	86.8%	88.9%
SAU800701	YPS000074	32%	91.3%	93.3%
SAU800719	ABA100200	24%	30.0%	40.3%
SAU800719	BAN101020	52%	70.3%	98.7%
SAU800719	BAN106537	45%	94.1%	97.7%
SAU800719	BFR10189	22%	48.3%	47.7%
SAU800719	BPT100647	21%	48.9%	44.4%
SAU800719	BCE100990	25%	22.4%	23.2%
SAU800719	BMA102844	22%	21.7%	28.0%
SAU800719	CJU101363	28%	17.3%	19.2%
SAU800719	CAC103138	31%	88.1%	91.2%
SAU800719	CBO101190	31%	88.9%	89.7%
SAU800719	CBO100209	31%	95.8%	99.2%
SAU800719	EFA200629	45%	96.6%	91.2%
SAU800719	EFM200738	46%	95.5%	93.0%
SAU800719	ECO101469	29%	11.6%	13.1%
SAU800719	HIN101218	21%	75.9%	79.4%
SAU800719	HPY100571	20%	85.0%	85.0%
SAU800719	KPN304077	25%	15.9%	17.5%
SAU800719	LPN102221	19%	80.3%	77.1%
SAU800719	LMO102885	52%	98.1%	97.2%
SAU800719	PMU101683	21%	73.8%	73.2%
SAU800719	PRT102753	24%	28.2%	33.6%
SAU800719	PAE201688	24%	54.3%	48%
SAU800719	PPU108921	23%	24.6%	61.9%
SAU800719	PPU112431	25%	48.0%	77.4%
SAU800719	PSY104669	24%	47.5%	42.3%
SAU800719	STY104492	22%	24.5%	22.5%
SAU800719	SAU800719	100%	100%	100%
SAU800719	SEP200765	89%	100%	100%
SAU800719	SHA101679	87%	99.8%	100%
SAU800719	SMU100078	40%	98.0%	90.8%
SAU800719	SPY200599	38%	96.6%	87.4%
SAU800719	VCH103522	25%	51.4%	45.5%
SAU800719	YPS003644	27%	23.2%	26.8%
SAU800720	ABA100489	37%	84.5%	95.8%
SAU800720	BAN110028	38%	37.4%	76.9%
SAU800720	BAN101564	26%	75.0%	95.1%
SAU800720	BAN109552	27%	20.2%	77.1%
SAU800720	BAN111328	24%	13.6%	89.1%
SAU800720	BAN108174	25%	13.6%	88%
SAU800720	BAN110379	32%	17.6%	75.9%
SAU800720	BAN108774	26%	13.8%	85.5%
SAU800720	BAN112693	31%	17.0%	78.3%
SAU800720	BAN101135	32%	17.0%	80.8%
SAU800720	BAN108206	41%	12%	97.9%
SAU800720	BAN100158	42%	24.5%	94.4%
SAU800720	BAN112678	44%	99.7%	99.5%
SAU800720	BFR10185	37%	46.7%	90.7%
SAU800720	BPT103035	35%	40.2%	82.9%
SAU800720	BCE109252	34%	99.0%	99.1%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800720	BFU108924	35%	99.0%	99.4%
SAU800720	BMA108966	34%	99.0%	97.3%
SAU800720	CJU100819	31%	54.1%	98.6%
SAU800720	CAC101791	42%	99.8%	99.4%
SAU800720	CBO101696	40%	89.3%	41.4%
SAU800720	CDF101289	39%	99.8%	95.8%
SAU800720	CDP101266	37%	39.4%	95.9%
SAU800720	EBC103175	38%	36.6%	92.6%
SAU800720	EFA201844	46%	98.6%	98.6%
SAU800720	EFM100646	48%	91.8%	98.3%
SAU800720	ECO100924	33%	43.7%	86.3%
SAU800720	HIN101309	35%	14.6%	82.8%
SAU800720	HIN101266	35%	43.2%	86.2%
SAU800720	KPN302187	38%	36.6%	92.9%
SAU800720	LPN103510	35%	97.4%	97.9%
SAU800720	LMO101330	45%	99.7%	100%
SAU800720	MCA100198	35%	37.4%	93.7%
SAU800720	MAV100344	36%	39.4%	95.7%
SAU800720	MBV101523	34%	96.5%	55.2%
SAU800720	MLP100773	35%	87.8%	46.8%
SAU800720	MTU202441	34%	96.5%	55.2%
SAU800720	NGO101191	34%	99.0%	97.8%
SAU800720	NME201150	34%	99.0%	98.7%
SAU800720	PMU100877	34%	52.5%	92.8%
SAU800720	PRT101963	34%	40%	82.9%
SAU800720	PAE204593	34%	40.2%	96.4%
SAU800720	PPU109750	36%	37.4%	94.7%
SAU800720	PSY102871	33%	99.2%	100%
SAU800720	SPA100983	35%	37.8%	95.8%
SAU800720	STY104621	37%	36.6%	92.6%
SAU800720	STM102138	33%	44.3%	88.3%
SAU800720	SAU800720	100%	100%	100%
SAU800720	SEP200773	80%	99.8%	100%
SAU800720	SHA100939	77%	29.6%	88.1%
SAU800720	SHA101681	81%	99.8%	100%
SAU800720	SMU100883	42%	99.7%	100%
SAU800720	SPN401411	44%	97.4%	98.4%
SAU800720	SPY200645	44%	96.5%	96.8%
SAU800720	VCH101463	34%	37.9%	81.5%
SAU800720	YPS002105	34%	39.7%	84.1%
SAU800732	ABA103998	25%	81.4%	79.4%
SAU800732	ABA101388	25%	86.7%	90.3%
SAU800732	BAN111908	50%	98.5%	100%
SAU800732	BFR10832	24%	97.8%	92.8%
SAU800732	BPT102919	26%	79.6%	66.8%
SAU800732	BCE105994	26%	85.4%	71.0%
SAU800732	BFU106488	25%	85.4%	69.6%
SAU800732	BMA101937	27%	85.4%	71.0%
SAU800732	CJU100204	22%	89.2%	84.7%
SAU800732	CPN200855	23%	88.5%	85.0%
SAU800732	CTR200210	22%	86.7%	83.2%
SAU800732	CAC103499	27%	94.1%	91.6%
SAU800732	CBO100701	26%	90.4%	86.0%
SAU800732	CDF101630	49%	98.1%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800732	CDP101412	39%	98.5%	95.1%
SAU800732	EBC100530	37%	98.5%	97.8%
SAU800732	EFA201345	43%	98.5%	96.9%
SAU800732	EFM200562	42%	98.1%	96.6%
SAU800732	ECO102621	36%	98.5%	97.8%
SAU800732	HIN101625	22%	81.7%	77.4%
SAU800732	HPY100360	23%	89.2%	84.2%
SAU800732	KPN304452	36%	98.5%	97.5%
SAU800732	LPN102663	24%	85.4%	77.9%
SAU800732	LMO101175	25%	89.2%	83.1%
SAU800732	MCA101601	23%	81.7%	77.4%
SAU800732	MAV103576	38%	98.5%	96.3%
SAU800732	MBV102489	38%	98.5%	96.9%
SAU800732	MLP101065	37%	98.5%	96%
SAU800732	MTU201948	38%	98.5%	96.9%
SAU800732	MGE100234	32%	98.5%	91.8%
SAU800732	MPN100514	32%	98.5%	92.0%
SAU800732	NGO100274	23%	81.7%	76.0%
SAU800732	NME201364	22%	81.7%	77.5%
SAU800732	PMU100719	22%	81.7%	77.4%
SAU800732	PRT102696	38%	98.5%	96.9%
SAU800732	PAE201154	24%	76.5%	61.9%
SAU800732	PPU108078	22%	76.5%	61.8%
SAU800732	PSY104507	23%	76.5%	61.9%
SAU800732	SPA100937	38%	98.5%	97.8%
SAU800732	STY102724	38%	98.5%	97.8%
SAU800732	STM103201	38%	98.5%	97.8%
SAU800732	SAU800732	100%	100%	100%
SAU800732	SEP201119	54%	99.1%	94.1%
SAU800732	SEP200799	91%	99.7%	100%
SAU800732	SHA100853	90%	99.7%	100%
SAU800732	SMU100848	41%	98.1%	97.2%
SAU800732	SPN401066	42%	97.8%	96.6%
SAU800732	SPY201058	41%	97.8%	96.9%
SAU800732	TPA100052	25%	97.8%	92.3%
SAU800732	VCH101236	23%	81.7%	75.1%
SAU800732	YPS001318	37%	98.5%	96.6%
SAU800733	ABA105082	38%	94.7%	97.8%
SAU800733	BAN113556	34%	85.1%	99.6%
SAU800733	BAN109705	34%	96.0%	89.9%
SAU800733	CJU101276	47%	99.1%	99.1%
SAU800733	CBO102064	50%	97.5%	99.4%
SAU800733	CDF100649	49%	98.1%	100%
SAU800733	EFA201992	44%	95.7%	98.1%
SAU800733	EFM202344	40%	95.7%	97.8%
SAU800733	NGO100092	39%	94.4%	94.4%
SAU800733	NME200420	40%	94.4%	94.4%
SAU800733	PRT102497	40%	96.0%	96.2%
SAU800733	PPU100159	38%	94.1%	97.1%
SAU800733	SAU800733	100%	100%	100%
SAU800733	SEP200801	78%	100%	99.7%
SAU800733	SHA100854	78%	99.4%	99.7%
SAU800733	SMU100104	50%	98.5%	99.4%
SAU800733	SPN401682	38%	96.6%	96.3%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800733	VCH102962	44%	96.0%	98.4%
SAU800733	YPS002721	39%	95.7%	96.6%
SAU800737	SAU800737	100%	100%	100%
SAU800737	SEP200811	70%	100%	100%
SAU800737	SHA102001	72%	100%	100%
SAU800737	SMU100332	46%	98.1%	99.0%
SAU800737	SPN301332	42%	99.0%	100%
SAU800737	SPY200154	38%	98.1%	96.1%
SAU800738	ABA100810	25%	88.6%	90.9%
SAU800738	BAN105237	37%	92.8%	95.5%
SAU800738	BAN104566	60%	97.4%	98.0%
SAU800738	BFR11211	23%	77.9%	95.1%
SAU800738	BPT102727	23%	76.5%	82.1%
SAU800738	BBU100597	31%	90.2%	92.7%
SAU800738	BCE105021	32%	76.5%	84.4%
SAU800738	BFU110503	28%	56.7%	31.0%
SAU800738	BMA103015	21%	75.2%	76.3%
SAU800738	CJU101581	34%	61.6%	68.2%
SAU800738	CPN200851	32%	91.5%	91.4%
SAU800738	CTR200213	35%	91.5%	93.9%
SAU800738	CAC101781	47%	97.4%	98.0%
SAU800738	CBO101419	48%	97.4%	97.7%
SAU800738	CDF101126	42%	98.4%	95.6%
SAU800738	CDP100735	36%	42.3%	40.6%
SAU800738	EBC104194	26%	80.1%	86.3%
SAU800738	EFA200829	52%	96.1%	98.3%
SAU800738	EFM201956	54%	92.5%	91.3%
SAU800738	ECO103874	26%	86.6%	92.1%
SAU800738	HIN100255	29%	86.3%	92.1%
SAU800738	HPY101397	27%	89.3%	96.1%
SAU800738	KPN300758	27%	78.8%	85.1%
SAU800738	LPN101622	36%	91.5%	93.1%
SAU800738	LMO102057	59%	95.4%	98.3%
SAU800738	MCA100620	26%	57.3%	67.1%
SAU800738	MAV103805	26%	90.6%	94.1%
SAU800738	MBV102338	26%	90.6%	94.0%
SAU800738	MLP101458	25%	88.9%	92.6%
SAU800738	MTU200480	26%	90.6%	94.0%
SAU800738	NGO100898	25%	91.2%	96.8%
SAU800738	NME200943	25%	91.2%	96.8%
SAU800738	PMU101589	25%	79.5%	85.9%
SAU800738	PRT102712	26%	92.2%	97.1%
SAU800738	PAE202975	23%	81.1%	89.1%
SAU800738	PPU101791	24%	88.6%	95.9%
SAU800738	PSY101711	23%	84.7%	92.3%
SAU800738	SPA103331	26%	85.7%	91.5%
SAU800738	STY102701	27%	85.7%	91.5%
SAU800738	STM102039	27%	85.3%	91.2%
SAU800738	SAU800738	100%	100%	100%
SAU800738	SEP200812	83%	99.7%	100%
SAU800738	SHA102002	84%	98.7%	98.7%
SAU800738	SMU100056	53%	92.5%	92.8%
SAU800738	SPN401246	52%	96.7%	94.0%
SAU800738	SPY200834	51%	92.8%	96.6%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800738	TPA100089	28%	90.9%	92.4%
SAU800738	VCH100313	28%	83.4%	84.9%
SAU800738	YPS000538	24%	78.8%	84.3%
SAU800742	SAU800742	100%	100%	100%
SAU800742	SEP200819	77%	99.5%	98.9%
SAU800742	SHA102006	73%	99.2%	99.5%
SAU800743	BAN100661	50%	89.7%	89.4%
SAU800743	BAN105794	55%	99.5%	99.5%
SAU800743	BFR11051	54%	98.3%	99.0%
SAU800743	CPN200966	29%	16.7%	14.8%
SAU800743	CTR200116	27%	17.2%	15.3%
SAU800743	CAC103052	53%	98.8%	99.3%
SAU800743	CBO101160	52%	97.5%	98.0%
SAU800743	CDF102303	50%	99.5%	99.5%
SAU800743	EBC102861	51%	98.0%	98.5%
SAU800743	EFA202002	47%	97.5%	98.3%
SAU800743	EFA202365	54%	98.5%	99.0%
SAU800743	EFM200402	50%	98.5%	98.8%
SAU800743	ECO101100	51%	99.0%	99.3%
SAU800743	HIN101314	43%	98.3%	97.6%
SAU800743	KPN302598	50%	98.0%	97.8%
SAU800743	LMO102174	53%	98.0%	98.0%
SAU800743	PMU100265	44%	97.5%	96.8%
SAU800743	PRT102290	38%	96.3%	98.0%
SAU800743	SPA104230	52%	86.0%	98.0%
SAU800743	STY102563	50%	98.0%	98.0%
SAU800743	STM102752	50%	98.0%	98.0%
SAU800743	SAU800743	100%	100%	100%
SAU800743	SEP200821	80%	100%	99.0%
SAU800743	SHA102007	78%	100%	99.8%
SAU800743	SMU100892	53%	97.8%	98.3%
SAU800743	SPN400913	51%	98.0%	98.8%
SAU800743	SPY200591	50%	97.8%	98.5%
SAU800743	VCH102915	49%	99.3%	98.8%
SAU800743	YPS003245	49%	98.0%	97.6%
SAU800753	ABA101280	46%	90.2%	97.6%
SAU800753	BAN110913	41%	99.5%	99.4%
SAU800753	BAN103692	59%	99.9%	99.5%
SAU800753	BFR11725	38%	3.6%	8.8%
SAU800753	BPT102975	44%	100%	99.7%
SAU800753	BBU100153	40%	98.8%	98.4%
SAU800753	BCE111466	51%	68.0%	94.8%
SAU800753	BFU106498	45%	99.9%	99.5%
SAU800753	BMA103047	45%	99.9%	99.5%
SAU800753	CJU100872	46%	98.8%	97.4%
SAU800753	CPN201009	41%	7.2%	19.1%
SAU800753	CTR200074	41%	4.0%	16.4%
SAU800753	CAC100650	52%	100%	99.8%
SAU800753	CBO100098	53%	100%	99.2%
SAU800753	CDF100803	49%	92.5%	98.6%
SAU800753	CDF101445	48%	100%	100%
SAU800753	CDP100932	46%	94.3%	99.2%
SAU800753	EBC107179	51%	44.2%	96.2%
SAU800753	EFA200590	56%	99.8%	99.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800753	EFM100280	61%	26.8%	98.2%
SAU800753	ECO100098	45%	98.8%	98.3%
SAU800753	HIN100888	42%	99.9%	99.3%
SAU800753	HPY100773	46%	98.8%	97.3%
SAU800753	KPN300997	45%	98.8%	98.2%
SAU800753	LPN103376	46%	98.7%	98.2%
SAU800753	LMO101013	60%	99.9%	99.5%
SAU800753	MCA100812	42%	98.8%	98.4%
SAU800753	MAV101468	46%	91.3%	88.4%
SAU800753	MBV103337	46%	94.0%	90.8%
SAU800753	MLP100475	46%	92.6%	88.8%
SAU800753	MTU203197	46%	95.3%	90.9%
SAU800753	MGE100074	42%	91.1%	94.3%
SAU800753	MPN100621	43%	91.1%	94.1%
SAU800753	NGO100323	45%	98.8%	98.4%
SAU800753	NME201594	45%	98.8%	98.4%
SAU800753	PMU101219	45%	99.5%	98.9%
SAU800753	PRT105129	46%	98.8%	98.3%
SAU800753	PAE204401	45%	98.8%	98.4%
SAU800753	PPU107707	46%	98.8%	95.4%
SAU800753	PSY103871	46%	97.7%	99.6%
SAU800753	SPA100472	42%	64.3%	85.7%
SAU800753	STY103214	45%	98.8%	98.3%
SAU800753	STM102926	45%	98.8%	98.3%
SAU800753	SAU800753	100%	100%	100%
SAU800753	SEP201381	90%	100%	99.9%
SAU800753	SHA101267	89%	100%	99.8%
SAU800753	SMU101178	55%	99.6%	99.2%
SAU800753	SPN401543	54%	99.6%	99.3%
SAU800753	SPY201389	53%	99.6%	99.0%
SAU800753	TPA100375	42%	98.8%	98.5%
SAU800753	UUR100118	43%	91.3%	91.4%
SAU800753	VCH102359	46%	99.6%	99.2%
SAU800753	YPS001804	45%	98.8%	98.3%
SAU800759	ABA101958	56%	99.1%	100%
SAU800759	BAN113089	38%	93.8%	57.7%
SAU800759	BAN100680	70%	99.5%	98.1%
SAU800759	BFR11670	54%	12.1%	75.6%
SAU800759	BPT100944	56%	11.9%	75.8%
SAU800759	BBU100836	53%	75.3%	12.1%
SAU800759	BCE103574	58%	11.8%	75.5%
SAU800759	BFU103391	57%	74.9%	11.6%
SAU800759	BMA102344	57%	98.5%	100%
SAU800759	CJU100311	51%	99.2%	99.7%
SAU800759	CPN200666	35%	62.9%	99.8%
SAU800759	CTR200602	34%	60.7%	99.4%
SAU800759	CAC103028	61%	74.9%	11.8%
SAU800759	CBO100949	63%	74.9%	11.8%
SAU800759	CDF101156	61%	98.5%	99.6%
SAU800759	CDP100967	57%	11.6%	75.1%
SAU800759	EBC104211	57%	11.8%	76.1%
SAU800759	EFA200963	68%	99.1%	100%
SAU800759	EFM100494	74%	33.2%	54.9%
SAU800759	ECO103952	57%	11.8%	76.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800759	HIN100236	58%	12.9%	76.9%
SAU800759	HPY100696	51%	75.2%	12.2%
SAU800759	KPN300132	73%	75.4%	91.3%
SAU800759	KPN304697	57%	11.8%	76.0%
SAU800759	LPN101592	58%	99.1%	99.1%
SAU800759	LMO102288	69%	100%	99.3%
SAU800759	MCA100016	61%	33.0%	55.9%
SAU800759	MAV106576	59%	74.9%	11.4%
SAU800759	MBV101262	56%	11.4%	78.7%
SAU800759	MLP100862	58%	76.3%	13.0%
SAU800759	MTU201617	58%	74.9%	11.4%
SAU800759	MGE100431	55%	11.6%	74.6%
SAU800759	MPN100223	55%	11.6%	75.1%
SAU800759	NGO101264	58%	98.6%	95.3%
SAU800759	NME201071	58%	98.5%	98.6%
SAU800759	PMU101951	58%	12.8%	76.8%
SAU800759	PRT100660	58%	75.4%	12.3%
SAU800759	PAE204232	58%	11.8%	75.7%
SAU800759	PPU108153	58%	11.8%	75.6%
SAU800759	PSY105787	57%	5.1%	74.0%
SAU800759	SPA102876	46%	10.4%	74.8%
SAU800759	STY102276	57%	11.8%	76.0%
SAU800759	SAU800759	100%	100%	100%
SAU800759	SEP201393	90%	99.3%	99.7%
SAU800759	SHA101501	91%	99.4%	99.8%
SAU800759	SMU101222	68%	62.6%	99.5%
SAU800759	SPN400171	66%	99.1%	99.9%
SAU800759	SPY201403	67%	74.9%	11.8%
SAU800759	TPA100510	55%	75.4%	12.1%
SAU800759	UUR100101	54%	74.9%	11.8%
SAU800759	VCH100389	58%	11.6%	75.7%
SAU800759	YPS002814	57%	99.1%	99.6%
SAU800760	BAN107071	45%	95.2%	97.7%
SAU800760	BAN109743	63%	96.1%	96.4%
SAU800760	BPT101777	36%	98.4%	99.7%
SAU800760	BCE114457	35%	92.6%	84.7%
SAU800760	BFU103416	35%	92.6%	89.4%
SAU800760	BMA105321	35%	92.3%	89.1%
SAU800760	CAC103664	46%	96.1%	97.7%
SAU800760	CBO103006	44%	98.1%	98.7%
SAU800760	CDF101148	45%	96.8%	97.1%
SAU800760	EFA201005	50%	96.8%	96.8%
SAU800760	EFM101937	53%	49.7%	96.2%
SAU800760	LMO102906	56%	99.4%	98.7%
SAU800760	MGE100087	30%	90.6%	90.4%
SAU800760	MPN100608	32%	99.4%	98.7%
SAU800760	NGO101943	35%	96.5%	93.8%
SAU800760	NME200871	35%	96.5%	93.8%
SAU800760	SAU800760	100%	100%	100%
SAU800760	SEP201395	89%	100%	100%
SAU800760	SHA101502	88%	100%	99.7%
SAU800760	SMU100034	49%	97.7%	97.7%
SAU800760	SPN401269	49%	96.8%	95.3%
SAU800760	SPY200421	46%	97.7%	98.1%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800760	TPA100584	46%	95.8%	93.4%
SAU800760	UUR100074	29%	96.5%	97.4%
SAU800765	ABA105050	37%	93.1%	97.2%
SAU800765	BAN105743	42%	81.8%	98.0%
SAU800765	BAN103527	53%	97.0%	99.0%
SAU800765	BPT101774	36%	89.1%	93.1%
SAU800765	BCE105719	40%	94.4%	94.7%
SAU800765	BFU103415	40%	95.4%	92.6%
SAU800765	BMA101496	38%	94.1%	96.0%
SAU800765	CAC100640	46%	95.7%	98.6%
SAU800765	CBO103526	47%	95.7%	98.6%
SAU800765	CDF101175	46%	93.7%	98.6%
SAU800765	CDP100284	41%	92.7%	94.2%
SAU800765	EBC104047	40%	92.7%	96.8%
SAU800765	EFA200958	50%	93.4%	94.6%
SAU800765	EFM102057	65%	13.5%	78%
SAU800765	ECO103135	40%	92.7%	96.8%
SAU800765	HIN101120	42%	88.4%	91.0%
SAU800765	KPN301883	41%	92.7%	96.8%
SAU800765	LMO101258	52%	95.4%	97.6%
SAU800765	MCA100868	36%	93.7%	95.9%
SAU800765	MAV100819	40%	93.4%	91.3%
SAU800765	MBV102154	40%	96.0%	95.7%
SAU800765	MLP100349	40%	96.4%	97.7%
SAU800765	MTU201402	40%	96.0%	95.7%
SAU800765	NGO101945	34%	95.4%	99.3%
SAU800765	NME200872	35%	93.7%	97.5%
SAU800765	PMU100169	42%	93.1%	95.8%
SAU800765	PRT101284	40%	92.7%	97.2%
SAU800765	PAE204463	38%	93.1%	98.3%
SAU800765	PPU103901	39%	93.1%	98.9%
SAU800765	PSY104751	39%	93.1%	98.6%
SAU800765	SPA101395	40%	92.7%	97.2%
SAU800765	STY101515	40%	92.7%	96.8%
SAU800765	STM101784	40%	92.7%	96.8%
SAU800765	SAU800765	100%	100%	100%
SAU800765	SEP201405	84%	99.7%	100%
SAU800765	SHA100647	77%	98.7%	100%
SAU800765	SMU100310	48%	94.7%	95.6%
SAU800765	SPN401423	47%	94.7%	95.6%
SAU800765	SPY200470	49%	93.1%	93.9%
SAU800765	VCH102495	43%	89.4%	93.7%
SAU800765	YPS002374	41%	92.7%	96.8%
SAU800766	BAN111073	43%	90.3%	98.4%
SAU800766	BAN103579	50%	94.6%	98.4%
SAU800766	CAC100700	42%	94.6%	69.8%
SAU800766	CBO102977	42%	94.6%	70.8%
SAU800766	CDF101172	43%	95.2%	86.0%
SAU800766	CDP100282	36%	71.9%	77.4%
SAU800766	EBC102211	35%	74.0%	81.5%
SAU800766	EFA200956	39%	76.4%	78.5%
SAU800766	EFM101137	36%	48.6%	71.4%
SAU800766	ECO100756	36%	74.0%	81.5%
SAU800766	KPN303577	36%	74.0%	81.4%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800766	LMO102839	46%	90.0%	91.3%
SAU800766	MAV100820	37%	71.0%	68.7%
SAU800766	MBV102152	38%	71.0%	71.9%
SAU800766	MLP100350	37%	71.0%	68.5%
SAU800766	MTU201403	38%	71.0%	71.9%
SAU800766	PMU100626	36%	74.9%	80.5%
SAU800766	PRT106022	32%	90.6%	95.2%
SAU800766	SPA102731	34%	74.0%	81.5%
SAU800766	STY102319	34%	74.0%	81.5%
SAU800766	SAU800766	100%	100%	100%
SAU800766	SEP201410	79%	100%	100%
SAU800766	SHA100648	72%	98.5%	99.4%
SAU800766	SMU100308	40%	92.1%	95.4%
SAU800766	SPN401422	41%	76.4%	80%
SAU800766	SPY200471	42%	75.2%	78.5%
SAU800766	VCH101004	34%	74.0%	83.1%
SAU800766	YPS002147	33%	74.6%	80.8%
SAU800767	BAN105219	58%	99.4%	99.1%
SAU800767	BAN112086	62%	99.4%	99.1%
SAU800767	CAC102108	46%	97.8%	98.7%
SAU800767	CBO101086	48%	98.4%	99.7%
SAU800767	CDF101166	46%	97.8%	98.1%
SAU800767	CDP100280	25%	96.8%	92.7%
SAU800767	EFA200954	60%	97.8%	98.7%
SAU800767	EFM101138	59%	97.8%	98.7%
SAU800767	LMO101438	61%	98.7%	96.3%
SAU800767	MAV100821	27%	97.1%	93.3%
SAU800767	MBV102150	26%	95.9%	92.6%
SAU800767	MLP100351	27%	95.5%	92.3%
SAU800767	MTU201404	26%	95.9%	92.6%
SAU800767	MGE100105	28%	74.8%	84.3%
SAU800767	MPN100590	25%	58.0%	66.1%
SAU800767	SAU800767	100%	100%	100%
SAU800767	SEP201411	91%	100%	100%
SAU800767	SHA100649	91%	100%	100%
SAU800767	SMU100307	41%	97.5%	100%
SAU800767	SPN401421	44%	90.1%	93.4%
SAU800767	SPY200472	41%	97.5%	100%
SAU800767	UUR100071	26%	97.5%	92.4%
SAU800771	BAN108269	31%	70.0%	69.6%
SAU800771	BAN110794	45%	98.8%	97.7%
SAU800771	BCE114311	21%	72.7%	74.4%
SAU800771	BFU102348	23%	73.0%	74.9%
SAU800771	BMA106496	30%	70.9%	73.2%
SAU800771	CAC100566	40%	100%	98.3%
SAU800771	CBO100266	41%	99.7%	97.4%
SAU800771	CDF100380	39%	99.7%	99.1%
SAU800771	CDP101585	25%	75.1%	72.9%
SAU800771	EBC103770	26%	65.3%	71.7%
SAU800771	EFA204507	43%	97.6%	96.5%
SAU800771	EFM102024	45%	42.4%	98.6%
SAU800771	ECO101483	28%	70.0%	75.1%
SAU800771	KPN300900	26%	58.2%	96.2%
SAU800771	LPN102590	28%	29.1%	26.2%



Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800771	LMO102755	46%	100%	98.0%
SAU800771	PMU101646	24%	81.6%	89.3%
SAU800771	PRT100531	23%	76.3%	83.8%
SAU800771	PSY101669	25%	70.3%	80.8%
SAU800771	SPA102585	24%	70.3%	75.2%
SAU800771	STY103167	25%	69.7%	74.6%
SAU800771	SAU800771	100%	100%	100%
SAU800771	SEP201414	81%	100%	100%
SAU800771	SHA101580	81%	99.7%	99.7%
SAU800771	SPN400228	24%	71.8%	77.0%
SAU800771	SPY201573	23%	84.6%	89.9%
SAU800771	VCH103344	21%	77.2%	81.0%
SAU800771	YPS000053	21%	84.6%	91.5%
SAU800772	CJU101322	45%	98.8%	99.1%
SAU800772	CPN200121	46%	99.4%	100%
SAU800772	CTR200781	48%	99.4%	100%
SAU800772	CAC100263	73%	99.1%	99.4%
SAU800772	CDF102031	71%	99.4%	99.7%
SAU800772	CDP100278	53%	99.1%	99.4%
SAU800772	EBC102594	57%	88.1%	99.3%
SAU800772	EFA202219	72%	99.4%	100%
SAU800772	EFM201407	57%	99.4%	100%
SAU800772	ECO202059	58%	98.5%	99.4%
SAU800772	KPN300047	57%	44.3%	91.3%
SAU800772	KPN300286	56%	67.0%	88.9%
SAU800772	KPN305000	56%	97.9%	99.1%
SAU800772	LMO100694	74%	100%	100%
SAU800772	MAV104847	50%	99.1%	99.4%
SAU800772	MBV102165	50%	96.7%	97.1%
SAU800772	MLP100354	49%	96.7%	97.1%
SAU800772	MTU201417	50%	96.7%	97.1%
SAU800772	MGE100307	54%	98.8%	97.9%
SAU800772	MPN100411	55%	98.8%	97.9%
SAU800772	NGO100027	70%	98.8%	92.7%
SAU800772	NME200230	70%	98.8%	99.1%
SAU800772	PMU100924	45%	98.5%	98.5%
SAU800772	SAU800772	100%	100%	100%
SAU800772	SEP201415	92%	100%	100%
SAU800772	SHA101581	92%	100%	100%
SAU800772	SMU100690	68%	100%	100%
SAU800772	SPN401823	69%	100%	93.3%
SAU800772	SPY200203	67%	100%	100%
SAU800772	VCH101970	47%	99.1%	100%
SAU800772	YPS000708	47%	99.1%	99.1%
SAU800776	ABA104568	60%	99.8%	100%
SAU800776	BAN112137	75%	8.5%	100%
SAU800776	BAN104797	55%	99.3%	100%
SAU800776	BAN107021	75%	100%	100%
SAU800776	BFR12193	72%	96.8%	97.4%
SAU800776	BPT101700	62%	99.5%	99.8%
SAU800776	BBU100336	62%	98.8%	98.4%
SAU800776	BCE108074	64%	99.5%	99.8%
SAU800776	BFU100260	65%	66.1%	96.9%
SAU800776	BFU102355	63%	99.5%	99.8%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800776	BMA107873	60%	49.3%	100%
SAU800776	CJU101577	53%	98.4%	99.8%
SAU800776	CPN201052	57%	95.6%	94.6%
SAU800776	CTR200865	55%	98.4%	98.3%
SAU800776	CAC102398	64%	99.3%	98.6%
SAU800776	CBO103490	65%	99.3%	98.6%
SAU800776	CDF100088	71%	22.6%	100%
SAU800776	CDF100292	69%	100%	96.0%
SAU800776	CDP100889	58%	98.8%	98.8%
SAU800776	EBC102297	58%	98.4%	98.6%
SAU800776	EFA202223	74%	99.5%	99.3%
SAU800776	EFM100534	72%	88.2%	99.2%
SAU800776	ECO102719	58%	98.4%	98.6%
SAU800776	HIN100911	59%	98.6%	98.9%
SAU800776	HPY100151	53%	96.1%	96.7%
SAU800776	KPN305114	58%	98.4%	98.6%
SAU800776	LPN102643	56%	94.9%	96.2%
SAU800776	LMO102639	73%	100%	100%
SAU800776	MCA101099	58%	98.8%	95.5%
SAU800776	MAV105503	58%	98.8%	98.1%
SAU800776	MBV103580	56%	98.8%	95.9%
SAU800776	MLP100182	55%	98.8%	94.2%
SAU800776	MTU201012	56%	98.8%	98.1%
SAU800776	MGE100419	52%	98.8%	96.1%
SAU800776	MPN100236	52%	98.8%	96.5%
SAU800776	NGO100995	62%	100%	100%
SAU800776	NME201361	61%	100%	100%
SAU800776	PMU101871	59%	98.6%	98.8%
SAU800776	PRT101034	58%	98.4%	98.6%
SAU800776	PAE203633	62%	98.8%	99.5%
SAU800776	PPU109835	61%	94.2%	99.5%
SAU800776	PSY104326	61%	98.8%	91.0%
SAU800776	SPA104184	58%	98.4%	98.6%
SAU800776	STY103508	58%	98.4%	98.6%
SAU800776	SAU800776	100%	100%	100%
SAU800776	SEP201419	94%	100%	100%
SAU800776	SHA101585	97%	40.1%	100%
SAU800776	SMU100190	82%	100%	100%
SAU800776	SPN401036	81%	100%	100%
SAU800776	SPY200535	81%	100%	100%
SAU800776	TPA100808	58%	98.8%	98.8%
SAU800776	UUR100184	45%	98.2%	98.9%
SAU800776	VCH102411	57%	98.4%	98.6%
SAU800776	YPS000129	58%	98.4%	98.8%
SAU800777	ECO200746	26%	55.9%	80%
SAU800777	KPN101512	27%	63.2%	72.8%
SAU800777	SAU800777	100%	100%	100%
SAU800777	SEP203649	65%	100%	100%
SAU800777	SHA100415	59%	97.4%	89.7%
SAU800782	ABA100100	42%	96.1%	94.3%
SAU800782	BAN113552	61%	97.4%	96.8%
SAU800782	BFR10554	49%	90.9%	94%
SAU800782	BPT101160	45%	92.9%	92.9%
SAU800782	BBU100033	47%	92.2%	94.7%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800782	BCE114906	43%	93.5%	98.0%
SAU800782	BFU105731	42%	93.5%	98.0%
SAU800782	BMA109523	42%	93.5%	98.0%
SAU800782	CJU101031	40%	92.2%	96%
SAU800782	CPN200415	47%	100%	90.9%
SAU800782	CTR200342	47%	94.2%	96.0%
SAU800782	CAC101932	60%	98.1%	98.1%
SAU800782	CBO103142	65%	99.4%	98.1%
SAU800782	CDF101608	54%	100%	92.6%
SAU800782	CDP101712	49%	77.9%	94.5%
SAU800782	EBC102473	47%	98.1%	97.5%
SAU800782	EFA201607	62%	92.2%	92.2%
SAU800782	EFM200170	58%	92.2%	92.2%
SAU800782	ECO102567	46%	98.1%	97.5%
SAU800782	HIN100962	47%	98.1%	96.3%
SAU800782	HPY101423	37%	94.2%	96.7%
SAU800782	KPN301267	47%	98.1%	97.5%
SAU800782	LPN103276	45%	96.8%	96.2%
SAU800782	LMO101222	68%	93.5%	93.5%
SAU800782	MCA102816	46%	98.1%	98.1%
SAU800782	MAV101105	47%	98.1%	89.3%
SAU800782	MBV105886	48%	93.5%	90%
SAU800782	MLP100416	50%	93.5%	90%
SAU800782	MTU203060	48%	93.5%	90%
SAU800782	MGE100061	36%	92.2%	97.9%
SAU800782	MPN100081	37%	89.0%	93.2%
SAU800782	NGO100293	45%	92.2%	95.3%
SAU800782	NME201585	45%	92.2%	95.3%
SAU800782	PMU100217	45%	98.1%	96.9%
SAU800782	PRT103727	48%	98.1%	97.5%
SAU800782	PAE204764	45%	96.8%	94.3%
SAU800782	PPU108560	42%	96.8%	93.8%
SAU800782	PSY104780	42%	98.1%	95%
SAU800782	SPA103688	47%	98.1%	97.5%
SAU800782	STY102601	47%	98.1%	97.5%
SAU800782	STM102501	47%	98.1%	97.5%
SAU800782	SAU800782	100%	100%	100%
SAU800782	SEP201423	89%	100%	100%
SAU800782	SHA100862	86%	100%	100%
SAU800782	SMU101107	57%	96.1%	95.5%
SAU800782	SPN400879	60%	92.9%	92.3%
SAU800782	SPY200359	57%	92.2%	91.6%
SAU800782	TPA100182	42%	86.4%	99.3%
SAU800782	UUR100056	41%	92.2%	97.9%
SAU800782	VCH100832	43%	98.7%	98.1%
SAU800782	YPS002052	46%	98.1%	97.5%
SAU800811	BAN100965	20%	36.0%	19.6%
SAU800811	BAN111001	21%	5.3%	7.2%
SAU800811	BAN109365	18%	37.2%	25.7%
SAU800811	BFR100579	20%	33.7%	12.7%
SAU800811	BFR102947	19%	18.3%	20.9%
SAU800811	BFR101444	18%	12.9%	23.1%
SAU800811	BBU100325	24%	20.3%	15.5%
SAU800811	BFU103969	74%	14.0%	25%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800811	BMA101165	50%	12.9%	15.2%
SAU800811	BMA103470	54%	6.8%	27.2%
SAU800811	BMA104606	29%	25.0%	64.3%
SAU800811	CJU101103	18%	29.5%	62.5%
SAU800811	CPN200033	17%	32.8%	29.9%
SAU800811	CAC102616	22%	19.1%	39.3%
SAU800811	CBO103272	14%	21.1%	59.3%
SAU800811	CBO103679	27%	2.9%	19.6%
SAU800811	CDF101661	24%	37.6%	65.9%
SAU800811	EFA203524	24%	25.1%	30.4%
SAU800811	EFM201584	17%	48.0%	58.5%
SAU800811	ECO103311	23%	25.0%	61.0%
SAU800811	HPY200074	17%	45.8%	33.9%
SAU800811	KPN206267	72%	35.0%	26.5%
SAU800811	LPN101461	35%	37.2%	43.2%
SAU800811	LMO101963	21%	15.3%	35.6%
SAU800811	LMO102167	36%	30.1%	60.9%
SAU800811	MCA100440	24%	6.2%	11.5%
SAU800811	MAV104123	30%	29.4%	12.4%
SAU800811	MBV101055	29%	9.7%	55.6%
SAU800811	MLP100905	30%	10.1%	63.1%
SAU800811	MTU202408	29%	9.7%	53.4%
SAU800811	MGE100318	19%	47.5%	39.7%
SAU800811	MPN100275	10%	32.2%	8.9%
SAU800811	MPN100632	24%	19.9%	24.1%
SAU800811	NME201599	17%	1.1%	11.9%
SAU800811	PAE203113	26%	4.6%	24.3%
SAU800811	PSY101467	16%	17.1%	60.2%
SAU800811	PSY103818	29%	8.9%	60.2%
SAU800811	PSY108790	15%	25.8%	26.2%
SAU800811	SPA103181	23%	38.0%	45.5%
SAU800811	STM102835	21%	34.5%	12.4%
SAU800811	SAU802630	40%	99.6%	98.7%
SAU800811	SAU800811	100%	100%	100%
SAU800811	SEP200110	28%	95.2%	26.3%
SAU800811	SHA100540	29%	96.3%	86.9%
SAU800811	SHA102998	26%	96.9%	59.9%
SAU800811	SHA100562	74%	38.6%	7.1%
SAU800811	SMU100238	24%	13.6%	20.4%
SAU800811	SMU100747	22%	20.5%	31.1%
SAU800811	SMU102548	21%	9.0%	25.0%
SAU800811	SPN401402	21%	95.4%	92.4%
SAU800811	SPY201545	24%	80.9%	60.7%
SAU800811	TPA100177	18%	34.2%	60.4%
SAU800824	ABA100587	27%	92.7%	95.0%
SAU800824	BAN104019	31%	42.5%	39.5%
SAU800824	BAN110518	27%	93.3%	86.8%
SAU800824	BFU103528	27%	98.4%	90.6%
SAU800824	CAC102383	28%	96.9%	93.9%
SAU800824	CDP100459	25%	93.8%	50.7%
SAU800824	EFM200186	26%	93.3%	88.5%
SAU800824	ECO100628	27%	95.3%	89.2%
SAU800824	KPN302086	27%	90.2%	84.2%
SAU800824	LMO101118	50%	98.4%	93.5%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800824	MCA101119	29%	79.3%	75.1%
SAU800824	PMU100634	32%	78.2%	72.2%
SAU800824	PRT104691	27%	91.2%	85.1%
SAU800824	PAE201279	28%	79.8%	79.4%
SAU800824	PPU104544	24%	88.6%	92.0%
SAU800824	PSY104527	28%	93.8%	96.8%
SAU800824	SPA100941	27%	90.2%	84.2%
SAU800824	STY100639	27%	90.2%	84.2%
SAU800824	STM100395	27%	90.2%	84.2%
SAU800824	SAU800824	100%	100%	100%
SAU800824	SEP201439	54%	99.0%	98.5%
SAU800824	SHA102912	57%	99.0%	95.0%
SAU800824	SMU100876	47%	99.0%	96.0%
SAU800824	SPN400219	26%	95.9%	83.1%
SAU800824	SPY201361	30%	94.8%	89.4%
SAU800829	ABA105130	32%	88.7%	75.5%
SAU800829	CDF103551	32%	92.9%	85.7%
SAU800829	EFA201048	30%	96.2%	88.5%
SAU800829	EFM201252	31%	92.9%	88.1%
SAU800829	ECO101661	30%	97.5%	94.8%
SAU800829	KPN303925	30%	84.5%	78.8%
SAU800829	LMO100162	31%	96.2%	88.5%
SAU800829	NGO100151	29%	96.6%	88.2%
SAU800829	NME201519	29%	84.9%	75.8%
SAU800829	SPA103732	33%	91.6%	86.5%
SAU800829	STY101078	33%	91.6%	86.5%
SAU800829	SAU800829	100%	100%	100%
SAU800829	SEP201442	52%	100%	99.2%
SAU800829	SHA101462	48%	100%	98.8%
SAU800829	SMU100082	31%	96.6%	95.6%
SAU800829	SPN401234	29%	96.2%	96%
SAU800829	SPY200601	28%	96.2%	94.7%
SAU800830	ABA104578	23%	98.9%	94.8%
SAU800830	BAN104689	29%	87.2%	84.0%
SAU800830	BAN103413	31%	87.2%	83.9%
SAU800830	BPT101113	27%	92.2%	88.7%
SAU800830	BCE112795	25%	78.2%	60.7%
SAU800830	BMA100377	25%	79.3%	71.0%
SAU800830	CDF102776	22%	95.5%	95.0%
SAU800830	CDF103563	23%	97.8%	98.0%
SAU800830	EBC102075	20%	88.3%	87.4%
SAU800830	ECO101733	19%	88.3%	87.4%
SAU800830	KPN301345	20%	88.3%	87.4%
SAU800830	LMO102654	30%	96.1%	94.8%
SAU800830	MCA100181	24%	92.2%	90.6%
SAU800830	MAV100507	27%	26.3%	21.5%
SAU800830	MBV103592	27%	81.6%	36.6%
SAU800830	MLP100459	27%	81.6%	35.9%
SAU800830	MTU203219	27%	81.6%	36.6%
SAU800830	NGO101477	22%	97.8%	96.2%
SAU800830	NME201743	23%	97.8%	96.2%
SAU800830	PMU100672	21%	97.8%	96.2%
SAU800830	PRT105285	24%	88.3%	87.4%
SAU800830	PAE203206	26%	69.8%	69.9%

Query LocusID	Homolog LocusID	Identity	Query Coverage	Homolog Coverage
SAU800830	PPU101058	27%	88.3%	87.0%
SAU800830	PSY103113	25%	88.3%	87.1%
SAU800830	SAU800830	100%	100%	100%
SAU800830	SEP201443	74%	98.9%	98.3%
SAU800830	SHA100075	74%	91.1%	100%
SAU800830	VCH101029	22%	95.5%	95.1%
SAU800830	YPS000723	21%	88.3%	87.4%
SAU800838	BAN100632	51%	18.6%	81.1%
SAU800838	BAN105551	62%	78.8%	89.7%
SAU800838	BAN106583	60%	93.9%	98.2%
SAU800838	EBC102427	64%	93.5%	97.3%
SAU800838	EFA201706	65%	88.3%	89.5%
SAU800838	EFM202624	52%	100%	100%
SAU800838	LMO100272	63%	93.5%	96.4%
SAU800838	PAE205499	50%	92.6%	95.1%
SAU800838	PPU101954	50%	90.0%	93.3%
SAU800838	PSY101361	52%	90.0%	92.9%
SAU800838	SAU800838	100%	100%	100%
SAU800838	SEP201450	89%	100%	100%
SAU800838	SHA100333	90%	100%	97.5%
SAU800838	SMU100477	47%	89.6%	90.0%
SAU800838	SPN400150	45%	89.6%	89.6%
SAU800838	SPY200235	49%	89.2%	93.2%
SAU800839	BAN108234	42%	90.1%	94.7%
SAU800839	BAN111019	47%	99.3%	98.9%
SAU800839	BAN112085	54%	100%	99.6%
SAU800839	BAN109409	54%	99.3%	98.9%
SAU800839	BPT102993	45%	88.6%	90.5%
SAU800839	BCE106577	41%	89.0%	82.0%
SAU800839	BFU102709	38%	97.4%	97.8%
SAU800839	BMA104983	39%	98.9%	98.9%
SAU800839	CJU100710	36%	95.2%	98.4%
SAU800839	CJU100709	39%	88.6%	91.5%
SAU800839	CJU101125	44%	88.6%	89.3%
SAU800839	CJU100711	50%	87.9%	90.7%
SAU800839	CPN200473	32%	98.9%	97.4%
SAU800839	CAC100740	44%	99.6%	99.6%
SAU800839	CBO102481	28%	98.9%	98.2%
SAU800839	CBO101824	45%	99.3%	98.9%
SAU800839	CBO103909	48%	98.9%	98.1%
SAU800839	CDF100529	45%	99.6%	98.9%
SAU800839	EBC102434	50%	95.2%	97.8%
SAU800839	EFA201707	50%	99.3%	98.9%
SAU800839	EFM201963	50%	99.6%	97.9%
SAU800839	ECO100197	36%	98.2%	97.0%
SAU800839	HPY101541	40%	91.2%	90.4%
SAU800839	KPN301905	36%	98.2%	97.0%
SAU800839	LMO102507	50%	99.3%	98.9%
SAU800839	MPN100427	27%	23.8%	25.8%
SAU800839	NGO101326	31%	99.6%	97.2%
SAU800839	NME200471	31%	99.6%	97.2%
SAU800839	PMU101730	35%	98.9%	98.2%
SAU800839	PRT100159	35%	98.2%	97.0%
SAU800839	PAE205500	42%	96.7%	98.5%